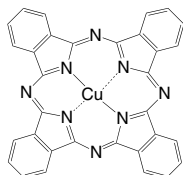


LT-E201 | CuPC

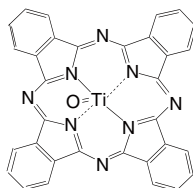
Copper(II) phthalocyanine

CAS No.	: 147-14-8
Grade	: Sublimed >99%
Formula	: $C_{32}H_{16}CuN_8$
M.W.	: 576.08 g/mole
UV	: 345, 631 nm (in CH_2Cl_2)
PL	: 404 nm (film)
TGA	: >430°C (0.5% weight loss)

**LT-E206** | TiOPC

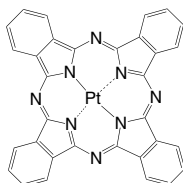
Titanium oxide phthalocyanine

CAS No.	: 26201-32-1
Grade	: Sublimed >99%
Formula	: $C_{32}H_{16}N_8OTi$
M.W.	: 576.39 g/mole
UV	: 349,692 nm (in CH_2Cl_2)
PL	: 392 nm (film)
TGA	: >440°C (0.5% weight loss)

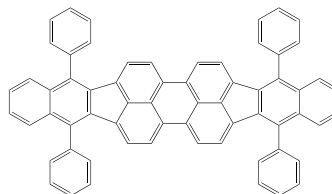
**LT-N219** | PtPC

Phthalocyanine

CAS No.	: 14075-08-2
Grade	: Sublimed >99% (TGA)
Formula	: $C_{32}H_{16}N_8Pt$
M.W.	: 707.6 g/mole
UV	: 228, 270 nm (in CH_2Cl_2)
PL	: 372.5 nm (in CH_2Cl_2)
TGA	: >460°C (0.5% weight loss)

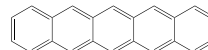
**LT-N4003** | DBPDibenzo[*h*,*f'*]-4,4',7,7'-tetraphenyl]diindeno[1,2,3-*cd*:1',2',3'-*lm*]perylene

CAS No.	: 175606-05-0
Grade	: Sublimed >99% (HPLC)
Formula	: $C_{64}H_{36}$
M.W.	: 804.97 g/mole
UV	: 333 nm (in THF)
PL	: 610 nm (in THF)
TGA	: >350°C (0.5% weight loss)

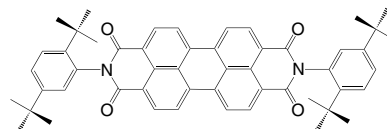
**LT-S901** | Pentacene

Pentacene

CAS No.	: 135-48-8
Grade	: Sublimed >99%
Formula	: $C_{22}H_{14}$
M.W.	: 278.35 g/mole
UV	: 300 nm (in CH_2Cl_2)
PL	: 509 nm (in CH_2Cl_2)
TGA	: >290°C (0.5% weight loss)

**LT-S902** | PDCDT*N,N'*-Bis(2,5-di-*tert*-butylphenyl)-3,4,9,10-perylene dicarboximide

CAS No.	: 83054-80-2
Grade	: Sublimed >99%
Formula	: $C_{52}H_{50}N_2O_4$
M.W.	: 766.96 g/mole
UV	: 524 nm (in CH_2Cl_2)
PL	: 544, 574 nm (in CH_2Cl_2)
TGA	: >350°C (0.5% weight loss)



LT-S903 | C₆₀Fullerene-C₆₀

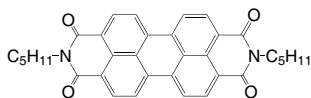
CAS No.	: 99685-96-8
Grade	: >99.5% (HPLC)
Formula	: C ₆₀
M.W.	: 720.64 g/mole
UV	: 251 nm (in CH ₂ Cl ₂)
TGA	: >450 °C (0.5% weight loss)



LT-S904 | PenPTC

N,N'-Dipentyl-3,4,9,10-perylene dicarboximide

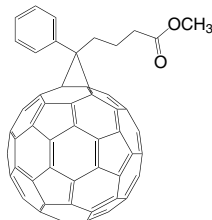
CAS No.	: 76372-75-3
Grade	: Sublimed >99%
Formula	: C ₃₄ H ₃₀ N ₂ O ₄
M.W.	: 530.61 g/mole
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 535, 573 nm (in CH ₂ Cl ₂)
TGA	: >350 °C (0.5% weight loss)



LT-S905 | PCBM

(6,6)-Phenyl C₆₁ butyric acid methyl ester

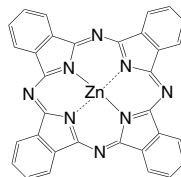
CAS No.	: 160848-22-6
Grade	: >99.5% (HPLC)
Formula	: C ₇₂ H ₁₄ O ₂
M.W.	: 910.88 g/mole
UV	: 258, 328 nm (in THF)
TGA	: >350 °C (0.5% weight loss)



LT-S906 | ZnPC

Zinc phthalocyanine

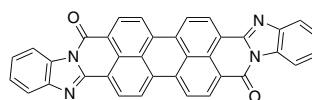
CAS No.	: 14320-04-8
Grade	: Sublimed >99%
Formula	: C ₃₂ H ₁₆ N ₈ Zn
M.W.	: 577.92 g/mole
PL	: 534 nm (in CH ₂ Cl ₂)



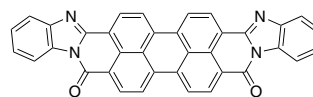
LT-S918 | PTCBI

Bisbenzimidazo[2,1-a:1',2'-b']anthra[2,1,9-def:6,5,10-d'e'f'] diisoguinoline-10,21-dione, with *cis* isomer

CAS No.	: 79534-91-1
Grade	: Sublimed >99%
Formula	: C ₃₆ H ₁₆ N ₄ O ₂
M.W.	: 536.54 g/mole
PL	: 414 nm (in CH ₂ Cl ₂)
TGA	: >420 °C (0.5% weight loss)



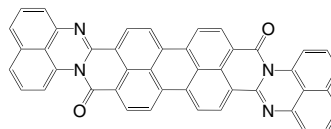
+



LT-S919 | ADIDI

Anthra[2'',1'':9'':4,5,6,6'',5'',10'':4',5',6']diisoquinolo[2,1-a:2',1'-a'] dipiperidine-12,25-dione, with *cis* isomer

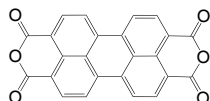
CAS No.	: 6859-32-1
Grade	: Sublimed >99%
Formula	: C ₄₄ H ₂₀ N ₄ O ₂
M.W.	: 636.66 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: >430 °C (0.5% weight loss)



LT-S920 | PTCTDA

3,4,9,10-Perylenetetracarboxylic dianhydride

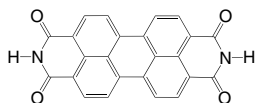
CAS No.	: 128-69-8
Grade	: Sublimed >99%
Formula	: C ₂₄ H ₈ O ₆
M.W.	: 392.32 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: >450 °C (0.5% weight loss)



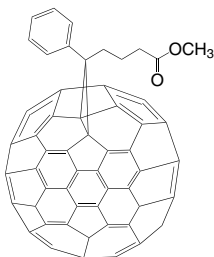
LT-S921 | PTCTDI

3,4,9,10-Perylenetetracarboxylic diimide

CAS No.	: 81-33-4
Grade	: Sublimed >99%
Formula	: C ₂₄ H ₁₀ N ₂ O ₄
M.W.	: 390.35 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: >450 °C (0.5% weight loss)

LT-S923 | PC₇₁BM(6,6)-Phenyl C₇₁ butyric acid methyl ester, mixture of isomers

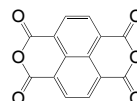
CAS No.	: 609771-63-3
Grade	: >99% (HPLC)
Formula	: C ₈₂ H ₁₄ O ₂
M.W.	: 1030.93 g/mole
UV	: 372 nm (in Toluene)
TGA	: >360 °C (0.5% weight loss)



LT-S924 | NTCTDA

1,4,5,8-Naphthalenetetracarboxylic dianhydride

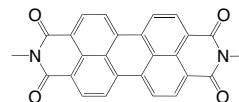
CAS No.	: 81-30-1
Grade	: Sublimed >99%
Formula	: C ₁₄ H ₄ O ₆
M.W.	: 268.18 g/mole
UV	: 366 nm (in CH ₂ Cl ₂)
PL	: 394 nm (in CH ₂ Cl ₂)
TGA	: >270 °C (0.5% weight loss)



LT-S925 | MePTC

N,N'-Dimethyl-3,4,9,10-peryene dicarboximide

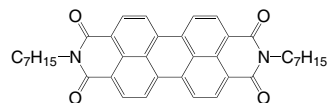
CAS No.	: 5521-31-3
Grade	: Sublimed product
Formula	: C ₂₆ H ₁₄ N ₂ O ₄
M.W.	: 418.4 g/mole
UV	: 522 nm (in CH ₂ Cl ₂)
PL	: 571 nm (in CH ₂ Cl ₂)
TGA	: >440 °C (0.5% weight loss)



LT-S926 | HepPTC

N,N'-Diheptyl-3,4,9,10-peryene dicarboximide

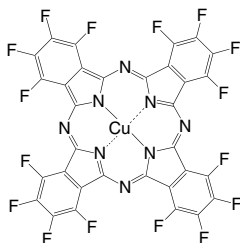
CAS No.	: 95689-91-1
Grade	: Sublimed >99%
Formula	: C ₃₈ H ₃₈ N ₂ O ₄
M.W.	: 586.72 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 537, 571 nm (in CH ₂ Cl ₂)
TGA	: >390 °C (0.5% weight loss)



LT-S928 | F₁₆CuPC

Copper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

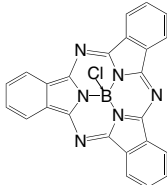
CAS No.	: 14916-87-1
Grade	: Sublimed product
Formula	: C ₃₂ CuF ₁₆ N ₈
M.W.	: 863.93 g/mole
UV	: 690 nm (in THF)
TGA	: >400 °C (0.5% weight loss)



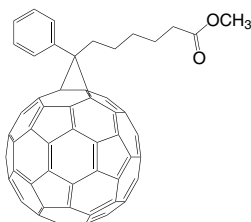
LT-S943 | SubPC

Boron subphthalocyanine chloride

CAS No.	: 36530-06-0
Grade	: Sublimed >99%
Formula	: C ₂₄ H ₁₂ BN ₆ Cl
M.W.	: 430.66 g/mole
UV	: 565 nm (in DMF)
PL	: 577 nm (in DMF)
TGA	: >340 °C (0.5% weight loss)

LT-S946 | PC₆₁HM(6,6)-Phenyl-C₆₁ methyl-hexanoate

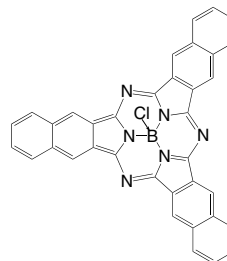
CAS No.	: 1242279-48-6
Grade	: >99% (HPLC)
Formula	: C ₇₄ H ₁₈ O ₂
M.W.	: 938.93 g/mole
UV	: 328 nm (in CH ₂ Cl ₂)
TGA	: >350 °C (0.5% weight loss)



LT-S947 | SubNC

Boron sub-2,3-naphthalocyanine chloride

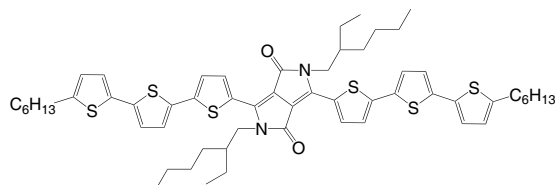
CAS No.	: 142710-56-3
Grade	: Sublimed >99%
Formula	: C ₃₆ H ₁₈ BClN ₆
M.W.	: 580.83 g/mole
UV	: 658 nm (in CH ₂ Cl ₂)
TGA	: >370 °C (0.5% weight loss)



LT-S952 | SMDPPEH

2,5-Di-(2-ethylhexyl)-3,6-bis-(5''-n-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

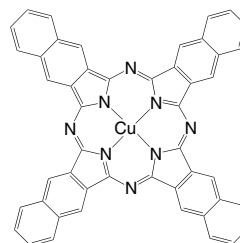
CAS No.	: 1093468-95-1
Grade	: >98% (NMR)
Formula	: C ₅₈ H ₇₂ N ₂ O ₂ S ₆
M.W.	: 1021.59 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: >370 °C (0.5% weight loss)



LT-S962 | CuNC

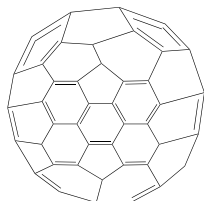
Copper(II) 2,3-naphthalocyanine

CAS No.	: 33273-09-5
Grade	: Sublimed >99% (TGA)
Formula	: C ₄₈ H ₂₄ CuN ₈
M.W.	: 776.30 g/mole
UV	: 681 nm (in CH ₂ Cl ₂)
TGA	: >430 °C (0.5% weight loss)



LT-S967 | C₇₀(5,6)-Fullerene-C₇₀

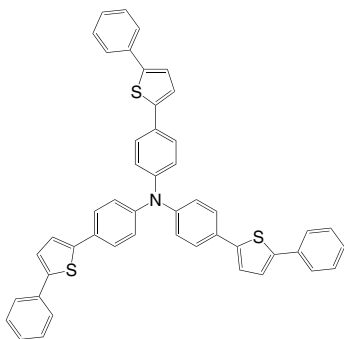
CAS No.	: 115383-22-7
Grade	: >99% (HPLC)
Formula	: C ₇₀
M.W.	: 840.75 g/mole
UV	: 344, 382 nm (in CH ₂ Cl ₂)
TGA	: >450 °C (0.5% weight loss)



LT-S984 | TPTPA

Tris(4-(5-phenylthiophen-2-yl)phenyl)amine

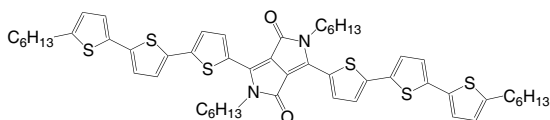
CAS No.	: 803727-09-5
Grade	: Sublimed >99% (HPLC)
Formula	: C ₄₈ H ₃₃ NS ₃
M.W.	: 719.98 g/mole
UV	: 416 nm (in CH ₂ Cl ₂)
TGA	: >270 °C (0.5% weight loss)



LT-S985 | SMDPPP

2,5-Dihexyl-3,6-bis-(5'-*n*-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-*c*]pyrrole-1,4-dione

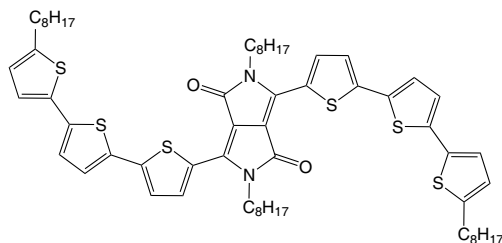
CAS No.	: 1077629-69-6
Grade	: >98% (NMR)
Formula	: C ₅₄ H ₆₄ N ₂ O ₂ S ₆
M.W.	: 965.49 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: >310 °C (0.5% weight loss)



LT-S986 | SMDPPO

2,5-Dioctyl-3,6-bis-(5'-*n*-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-*c*]pyrrole-1,4-dione

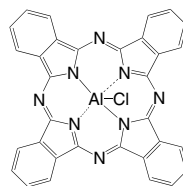
CAS No.	: 1435933-95-1
Grade	: >98% (NMR)
Formula	: C ₅₈ H ₇₂ N ₂ O ₂ S ₆
M.W.	: 1021.59 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: >280 °C (0.5% weight loss)



LT-S9025 | AIPCCI

Aluminum phthalocyanine chloride

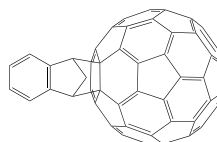
CAS No.	: 14154-42-8
Grade	: Sublimed >99%
Formula	: C ₃₂ H ₁₆ AlClN ₄
M.W.	: 574.97 g/mole
UV	: 675 nm (in DMF)



LT-S9029 | ICMA

C₆₀ derivative, indene-C₆₀ monoadduct

CAS No.	: 172885-96-0
Grade	: >99% (HPLC)
Formula	: C ₆₉ H ₈
M.W.	: 836.82 g/mole
UV	: 318 nm (in CH ₂ Cl ₂)
TGA	: >200 °C (0.5% weight loss)



LT-S9030 | ICBA

C₆₀ derivative, indene-C₆₀ bisadduct, mixture of isomers

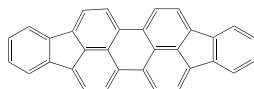
CAS No.	: 1207461-57-1
Grade	: >99% (HPLC)
Formula	: C ₇₈ H ₁₆
M.W.	: 952.26 g/mole
UV	: 318 nm (in CH ₂ Cl ₂)
TGA	: >200 °C (0.5% weight loss)



LT-S9036 | DIP

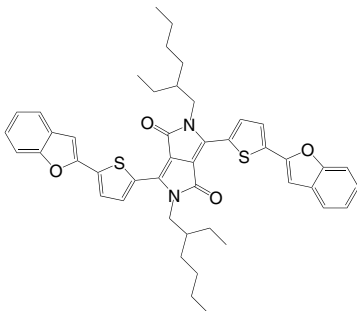
Diindeno[1,2,3-cd:1',2',3'-lm]perylene

CAS No.	: 188-94-3
Grade	: Sublimed product
Formula	: C ₃₂ H ₁₆
M.W.	: 400.47 g/mole
UV	: 494, 532 nm (in CH ₂ Cl ₂)
TGA	: >230 °C (0.5% weight loss)

LT-S9040 | DPP(TBFu)₂

3,6-Bis(5-(benzofuran-2-yl)thiophen-2-yl)-2,5-bis(2-ethylhexyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione

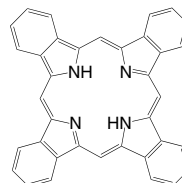
CAS No.	: 1241836-03-2
Grade	: >99% (NMR)
Formula	: C ₄₆ H ₄₈ N ₂ O ₄ S ₂
M.W.	: 757.01 g/mole
UV	: 584, 629 nm (in CH ₂ Cl ₂)
TGA	: >330 °C (0.5% weight loss)



LT-S9044 | BP

Tetrabenzoporphine

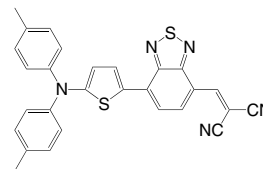
CAS No.	: 52952-31-5
Grade	: Sublimed product
Formula	: C ₃₆ H ₂₂ N ₄
M.W.	: 510.59 g/mole
TGA	: >200 °C (0.5% weight loss)



LT-S9046 | DTDCTB

2-((7-(5-(Di-p-tolylamino)thiophen-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)methylene)malononitrile

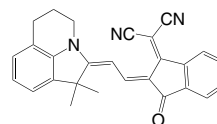
CAS No.	: 1335150-09-8
Grade	: >99% (HPLC)
Formula	: C ₂₈ H ₁₉ N ₅ S ₂
M.W.	: 489.61 g/mole
UV	: 398, 622 nm (in CH ₂ Cl ₂)
TGA	: >280 °C (0.5% weight loss)



LT-S9047 | HB194

2-((Z)-2-((E)-2-(1,1-Dimethyl-5,6-dihydro-1H-pyrrolo[3,2,1-ij]quinolin-2(4H)-ylidene)ethylidene)-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile

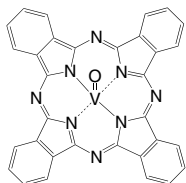
CAS No.	: 1207961-82-7
Grade	: >99% (HPLC)
Formula	: C ₂₇ H ₂₁ N ₃ O
M.W.	: 403.48 g/mole
UV	: 481, 577 nm (in CH ₂ Cl ₂)
TGA	: >280 °C (0.5% weight loss)



LT-S9053 | VOPC

Oxyvanadium phthalocyanine

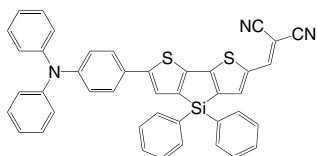
CAS No. : 13930-88-6
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8O$
 M.W. : 579.47 g/mole
 UV : 338, 684 nm (in CH_2Cl_2)



LT-S9056 | TPDCDTS

2-(6-(4-(Diphenylamino)phenyl)-4,4'-diphenyl-dithieno[3,2-b:2',3'-d']silol-2-yl)-methylene-malononitrile

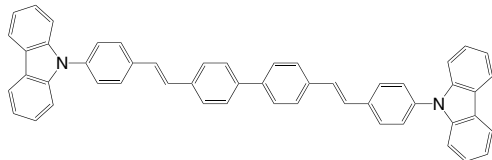
CAS No. : 1321562-79-1
 Grade : >99% (HPLC)
 Formula : $C_{42}H_{27}N_3S_2Si$
 M.W. : 665.90 g/mole
 TGA : >250 °C (0.5% weight loss)



LT-S9058 | BSB4

4,4'-Bis(4-(9H-carbazol-9-yl)styryl)biphenyl

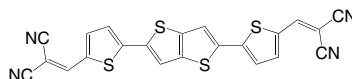
CAS No. : 850594-34-2
 Grade : Sublimed >99%
 Formula : $C_{52}H_{36}N_2$
 M.W. : 688.86 g/mole
 UV : 367 nm (in THF)
 PL : 424, 444 nm (in THF)
 TGA : >320 °C (0.5% weight loss)



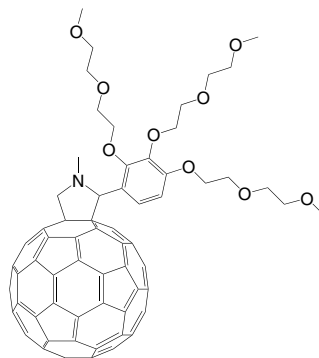
LT-S9061 | FT2TDMN

2,2'-(5,5'-(Thieno[3,2-b]thiophene-2,5-diyl)bis(thiophene-5,2-diyl))bis(methan-1-yl-1-ylidene)dimalononitrile

CAS No. : 1432613-96-1
 Grade : Sublimed >99%
 Formula : $C_{22}H_8N_4S_4$
 M.W. : 456.59 g/mole
 UV : 499 nm (in Toluene)
 TGA : >350 °C (0.5% weight loss)

LT-S9071 | PrC₆₀MA*C*₆₀*N,N,N*-trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)methanaminium monoadduct

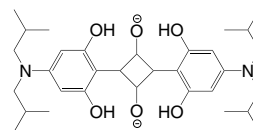
CAS No. : 1373957-22-2
 Grade : >99% (HPLC)
 Formula : $C_{84}H_{41}NO_9$
 M.W. : 1208.26 g/mole
 TGA : >300 °C (0.5% weight loss)



LT-S9074 | DIBSQ

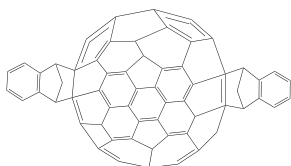
2,4-Bis(4-(diisobutylamino)-2,6-dihydroxyphenyl)cyclobutane-1,3-bis(olate)

CAS No. : 432493-75-9
 Grade : >99% (HPLC)
 Formula : $C_{32}H_{48}N_2O_6$
 M.W. : 556.7 g/mole
 TGA : >270 °C (0.5% weight loss)

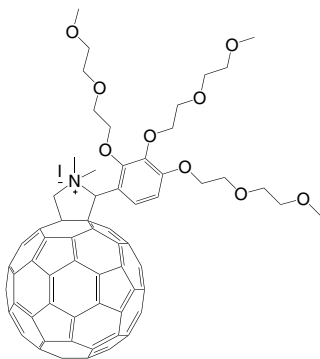


LT-S9078 | IC₇₀BAIndene-C₇₀ bisadduct, mixture of isomers

CAS No.	: 1563175-93-8
Grade	: >99% (HPLC)
Formula	: C ₈₈ H ₁₆
M.W.	: 1073.04 g/mole
UV	: 290 nm (in CH ₂ Cl ₂)
TGA	: >180 °C (0.5% weight loss)

LT-S9079 | PrC₆₀MA Iodide saltC₆₀-N,N,N-Trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)dimethanaminium monoadduct iodide salt

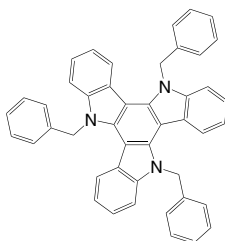
CAS No.	: 1373957-23-3
Grade	: >99% (HPLC)
Formula	: C ₈₅ H ₄₄ INO ₉
M.W.	: 1386.23 g/mole



LT-S9084 | TBDI

5,10,15-Tribenzyl-10,15-dihydro-5H-diindolo[3,2-a:3',2'-c]carbazole

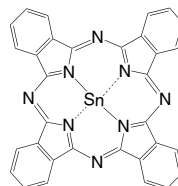
CAS No.	: 1092536-44-1
Grade	: Sublimed >99% (HPLC)
Formula	: C ₄₅ H ₃₃ N ₃
M.W.	: 615.76 g/mole
TGA	: >270 °C (0.5% weight loss)



LT-S9086 | SnPC

Tin(II) phthalocyanine

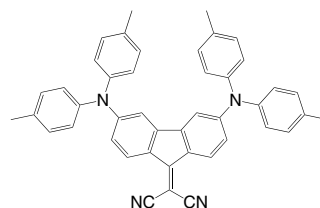
CAS No.	: 15304-57-1
Grade	: Sublimed >99%
Formula	: C ₃₂ H ₁₆ N ₈ Sn
M.W.	: 631.23 g/mole
UV	: 693 nm (in CHCl ₃)
TGA	: >440 °C (0.5% weight loss)



LT-S9089 | 3,6-DTNFMN

2-(3,6-Bis(di-p-tylamino)-9H-fluorene-9-ylidene)malononitrile

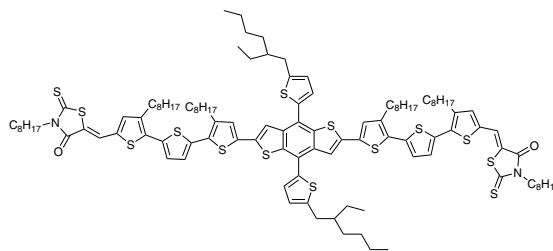
CAS No.	: 1527494-19-4
Grade	: Sublimed >99% (HPLC)
Formula	: C ₄₄ H ₃₄ N ₄
M.W.	: 618.77 g/mole
UV	: 291, 493 nm (in CH ₂ Cl ₂)
TGA	: >280 °C (0.5% weight loss)



LT-S9123 | SMPV1

2,6-Bis[2,5-bis(3-octylrhodanine)-(3,3-dioctyl-2,2':5,2''-terthiophene)]-4,8-bis((5-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

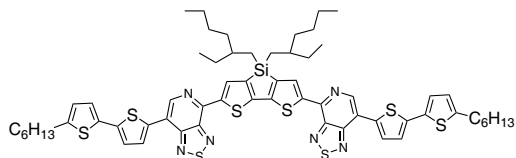
CAS No.	: 1651168-29-4
Grade	: >99% (NMR)
Formula	: C ₁₁₄ H ₁₅₂ N ₂ O ₂ S ₁₄
M.W.	: 2031.35 g/mole
UV	: 360, 504 nm (in CH ₂ Cl ₂)



LT-S9124 | DTS(PTTh2)2

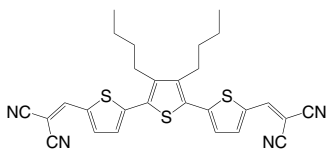
5,5'-Bis(4-(7-hexylthiophen-2-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine-3,3'-di-2-ethylhexylsilylene-2,2'-bithiophene

CAS No. : 1351374-94-1
 Grade : >99% (NMR)
 Formula : $C_{62}H_{72}N_6S_8Si$
 M.W. : 1185.88 g/mole
 UV : 366, 645 nm (in CH_2Cl_2)

**LT-S9125** | DCV3T

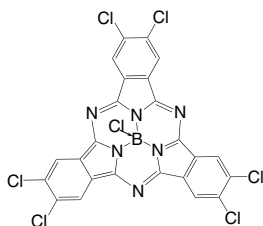
3',4'-Dibutyl-5,5'-bis(dicyanovinyl)-2,2':5',2''-terthiophene

CAS No. : 908588-68-1
 Grade : >99% (HPLC)
 Formula : $C_{28}H_{24}N_4S_3$
 M.W. : 512.71 g/mole
 UV : 498 nm (in CH_2Cl_2)

**LT-S9149** | Cl_6 SubPC

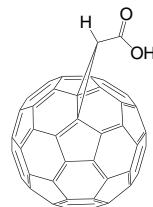
2,3,9,10,16,17-Hexachlorinated boron subphthalocyanine chloride

CAS No. : 309963-65-3
 Grade : Sublimed >99%
 Formula : $C_{24}H_6BCl_7N_6$
 M.W. : 637.33 g/mole
 UV : 578 nm (in CH_2Cl_2)
 TGA : >300 °C (0.5% weight loss)

**LT-S9157** | C_{70} -COOH

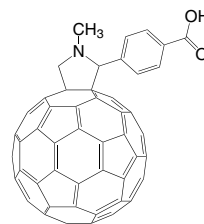
3'H-Cyclopropa[8,25][5,6]fullerene- C_{70} -3'-carboxylic acid

CAS No. : 180777-24-6
 Grade : >99%
 Formula : $C_{72}H_2O_2$
 M.W. : 898.79 g/mole
 UV : 353, 370, 406 nm (in CH_2Cl_2)

**LT-S9161** | C_{60} -COOH-SAM

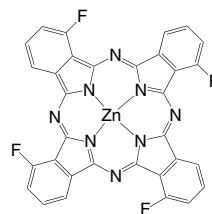
4-(1',5'-Dihydro-1'-methyl-2'H-[5,6]fullereno- C_{60} -1h-[1,9-c]-pyrrol-2'-yl)benzoic acid

CAS No. : 631918-72-4
 Grade : >99%
 Formula : $C_{70}H_{11}NO_2$
 M.W. : 897.84 g/mole
 UV : 345 nm (in CH_2Cl_2)

**LT-S9171** | F_4ZnPC

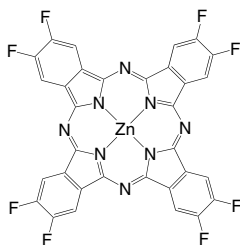
Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanine, mixture of isomers

CAS No. : 1120355-28-3
 Grade : Sublimed >99%
 Formula : $C_{32}H_{12}F_4N_8Zn$
 M.W. : 649.89 g/mole
 UV : 681 nm (in $CHCl_3$)
 TGA : >250 °C (0.5% weight loss)



LT-S9172 | F₈ZnPCZinc(II)-2,3,9,10,16,17,23,24-octafluoro-29*H*,31*H*-phthalocyanine

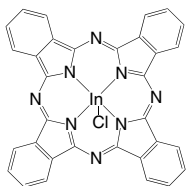
CAS No.	: 676519-80-5
Grade	: Sublimed >99%
Formula	: C ₃₂ H ₈ F ₈ N ₈ Zn
M.W.	: 721.86 g/mole
UV	: 338, 656 nm (in DMF)
TGA	: >300 °C (0.5% weight loss)



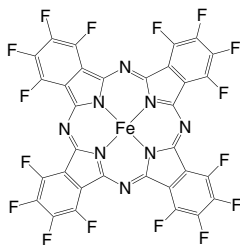
LT-S9176 | InClPC

Indium(III) phthalocyanine chloride

CAS No.	: 19631-19-7
Grade	: Sublimed >99%
Formula	: C ₃₂ H ₁₆ ClInN ₈
M.W.	: 662.79 g/mole
UV	: 358, 683 nm (in CHCl ₃)
TGA	: >300 °C (0.5% weight loss)

LT-S9177 | F₁₆FePCIron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29*H*,31*H*-phthalocyanine

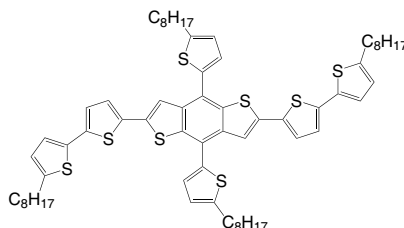
CAS No.	: 23844-93-1
Grade	: Sublimed >99%
Formula	: C ₃₂ F ₁₆ FeN ₈
M.W.	: 856.22 g/mole
UV	: 333, 627 nm (in Acetone)
TGA	: >300 °C (0.5% weight loss)



LT-S9179 | BDT2TH

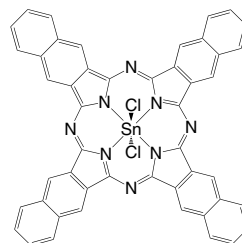
2,6-Bis([5'-octyl[2,2'-bithiophene)]{4,8-bis(5-octyl-2-thienyl)benzo[1,2-b:4,5-b']dithiophene]

Grade	: >99% (NMR)
Formula	: C ₆₆ H ₈₂ S ₈
M.W.	: 1131.88 g/mole
UV	: 249, 359, 442 nm (in CHCl ₃)

LT-S9180 | SnNCCl₂

Tin(IV) 2,3-naphthalocyanine dichloride

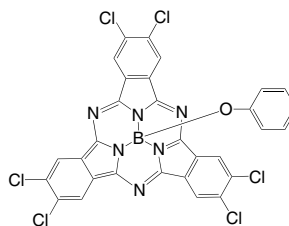
CAS No.	: 26857-61-4
Grade	: Sublimed product
Formula	: C ₄₈ H ₂₄ Cl ₂ N ₈ Sn
M.W.	: 902.37 g/mole
TGA	: >300 °C (0.5% weight loss)



LT-S9181 | PhO-BSubPC

[2,3,9,10,16,17-Hexachloro-7,12:14,19-diimino-21,5-nitrilo-5*H*-tribenzo[*c,h,m*][1,6,11]triazacyclopentadecinato(2-)-*N22,N23,N24*]phenoxy-Boron

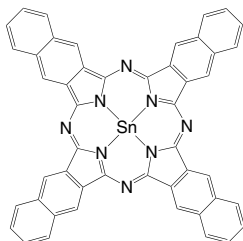
CAS No.	: 1309390-01-9
Grade	: >99% (HPLC)
Formula	: C ₃₀ H ₁₁ BCl ₆ N ₆ O
M.W.	: 694.98 g/mole
UV	: 267, 318, 569 nm (in CHCl ₃)



LT-S9182 | SnNC

Tin(II) 2,3-naphthalocyanine

CAS No. : 110479-58-8
 Grade : Sublimed product
 Formula : $C_{48}H_{24}N_8Sn$
 M.W. : 831.47 g/mole
 TGA : >300 °C (0.5% weight loss)

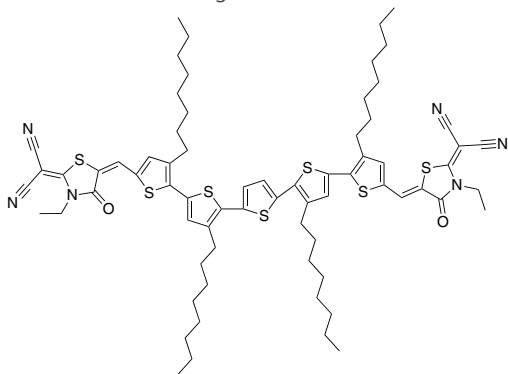


LT-S9197 | DRCN5T

NEW

2,2'-[(3,3'',3''',4'-tetraoctyl[2,2':5':2'':5'',2''':5''',2''''-quinquethiophene]-5,5''''-diyl)bis[(Z)-methylidyne(3-ethyl-4-oxo-5,2-thiazolidinediylidene)]]bis-propanedinitrile

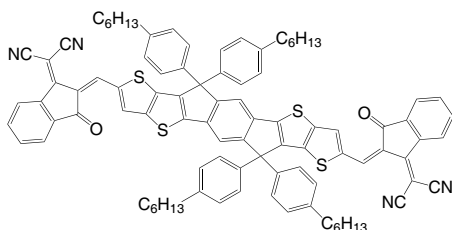
CAS No. : 1674394-69-4
 Grade : >99%
 Formula : $C_{70}H_{86}N_6O_2S_7$
 M.W. : 1267.93 g/mole



LT-S9212 | ITIC

3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d':2',3'-d'']-s-indaceno[1,2-b:5,6-b']-dithiophene

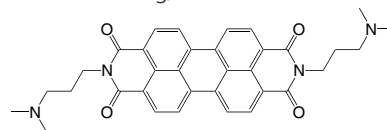
CAS No. : 1664293-06-4
 Grade : >98% (HPLC)
 Formula : $C_{94}H_{82}N_4O_2S_4$
 M.W. : 1427.94 g/mole



LT-S9268 | PDIN

2,9-Bis(3-(dimethylamino)propyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone

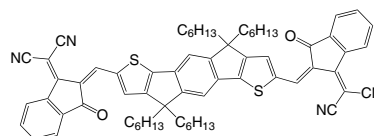
CAS No. : 117901-97-0
 Formula : $C_{34}H_{32}N_4O_4$
 M.W. : 560.64 g/mole



LT-S9279 | IDIC

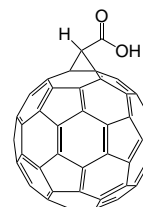
2,2'-[[4,4,9,9-Tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']-dithiophene-2,7-diyl)bis[methylidyne(3-oxo-1H-indene-2,1(3H)-diylidene)]]bis-propanedinitrile

CAS No. : 1883441-92-6
 Grade : >98% (HPLC)
 Formula : $C_{66}H_{66}N_4O_2S_2$
 M.W. : 1011.39 g/mole
 UV : 664 nm (in CH_2Cl_2)

LT-S9281 | C₆₀-COOH

3'H-Cyclopropa[1,9][5,6]fullerene-C₆₀-1h-3'-carboxylic acid

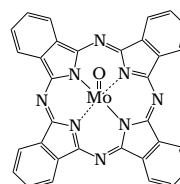
CAS No. : 155116-19-1
 Grade : >99%
 Formula : $C_{62}H_2O_2$
 M.W. : 778.68 g/mole



LT-S9283 | MoOPC

Oxo-phthalocyaninato-molybdenum (IV)

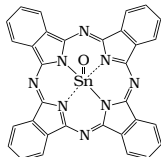
CAS No. : 15746-68-6
 Grade : Sublimed >99%
 Formula : $C_{32}H_{16}MoN_8O$
 M.W. : 624.46 g/mole



LT-S9284 | SnOPC

Oxo-phthalocyaninato-tin (IV)

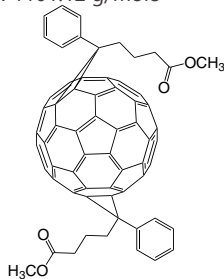
CAS No. : 57156-42-0
 Grade : Sublimed >99%
 Formula : $C_{32}H_{16}N_8OSn$
 M.W. : 647.23 g/mole



LT-S9422 | Bis PC₆₂BM

3'H,3''H-Dicyclopropa[1,9:16,17][5,6]-fullerene-C₆₀-Ih-3',3''-dibutanoic acid, 3',3''-diphenyl-3',3''-dimethyl ester, stereoisomer

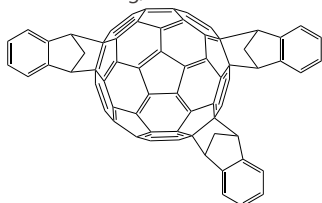
CAS No. : 1048679-01-1
 Grade : >99.5%
 Formula : $C_{84}H_{28}O_4$
 M.W. : 1101.12 g/mole



LT-S9423 | IC₆₀TA

1',1'',1''',4',4'',4'''-Hexahydrotri[1,4]methanonaphtho[2',3':1,2;2'',3'':23,42;2''',3''':32,50][5,6]fullerene-C₆₀-Ih

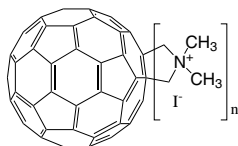
CAS No. : 1363385-54-9
 Grade : >96%
 Formula : $C_{87}H_{24}$
 M.W. : 1069.12 g/mole



LT-S9424

C60-(N,N-dimethyl pyrrolidinium iodide) Adduct

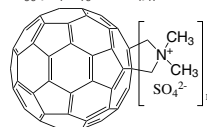
Grade : >99%
 Formula : $C_{60}(C_4H_{10}NI)_n$



LT-S9425

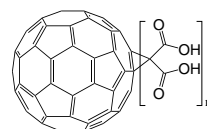
C60-(N,N-dimethyl pyrrolidinium ammonium) Adduct

Grade : >99%
 Formula : $C_{60}(C_4H_{10}NSO_4)_n$



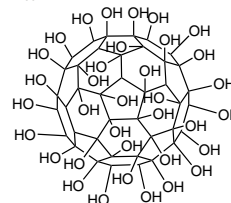
LT-S9426 | C₆₀-(malonic acid)_n

Grade : >99% n > 5
 Formula : $C_{60}(C_3H_2O_4)_n$



LT-S9427 | Fullerol C₆₀(OH)_n

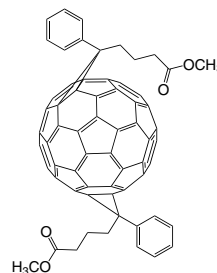
Grade : >99.5% n = 30-50
 Formula : $C_{60}(OH)_n$



LT-S9428 | Bis-PC₇₂BM

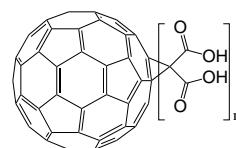
3'H,3''H-Dicyclopropa[8,25:53,54][5,6]-fullerene-C₇₀-D5h(6)-3',3''-dibutanoic acid,3',3''-diphenyl-,3',3''-dimethyl ester

CAS No. : 1244023-34-4
 Grade : >98%
 Formula : $C_{94}H_{28}O_4$
 M.W. : 1221.23 g/mole



LT-S9429 | C₇₀-(malonic acid)_n

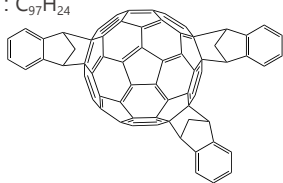
Grade : >99%
 Formula : $C_{70}(C_3H_2O_4)_n$



LT-S9431 | IC₇₀TA

Indene C70 Tris Adduct

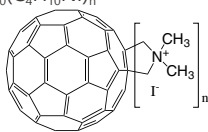
Grade : >96%
Formula : C₉₇H₂₄



LT-S9432

C70-(N,N-dimethyl pyrrolidinium iodide) Adduct

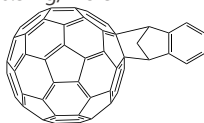
Grade : >99%
Formula : C₇₀(C₄H₁₀Nl)_n



LT-S9433 | IC₇₀MA

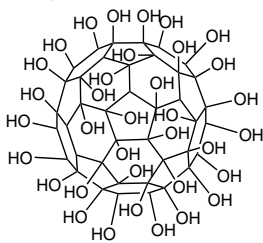
1',4'-Dihydro-1,4-methanonaphtho[2',3':8,25]fullerene-C₇₀-D₃h(6)

CAS No. : 1287237-10-8
Grade : >98%
Formula : C₇₉H₈
M.W. : 956.91 g/mole



LT-S9434 | Fullerol C₇₀(OH)_n

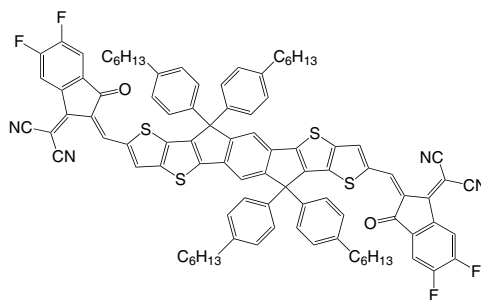
Grade : >99.5% water soluble, >50 mg/ml
Formula : C₇₀(OH)_n



LT-S9447 | IT-4F,ITIC-2F

2,2'-[[6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-diyl]]bis[methyldiylne(5,6-difluoro-3-oxo-1H-indene-2,1(3H)-diylidene)]]bis[propanedinitrile]

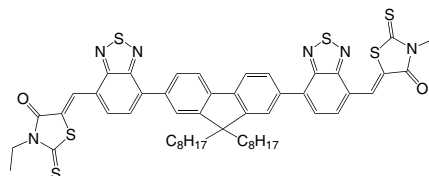
CAS No. : 2097998-59-7
Grade : >98% (HPLC)
Formula : C₉₄H₇₈F₄N₄O₂S₄
M.W. : 1499.9 g/mole



LT-S9466 | FBR

5,5'-[(9,9-Dioctyl-9H-fluorene-2,7-diyl)bis(2,1,3-benzothiadiazole-7,4-diyl(methyldiylne)]]bis[3-ethyl-2-thioxo-4-thiazolidinone]

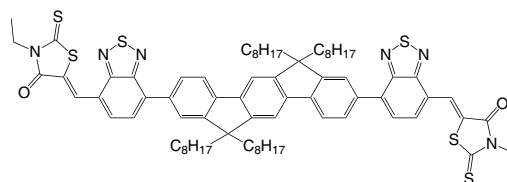
CAS No. : 1644381-95-2
Grade : >98%
Formula : C₅₃H₅₆N₆O₂S₆
M.W. : 1001.44 g/mole



LT-S9468 | IDFBR

(5Z,5'Z)-5,5'-((7,7'-(6,6,12,12-Tetraoctyl-6,12-dihydroindeno[1,2-b]fluorene-2,8-diyl)bis(benzo[c][1,2,5]thiadiazole-7,4-diyl)bis(methanylylidene)bis(3-ethyl-2-thioxothiazolidin-4-one)

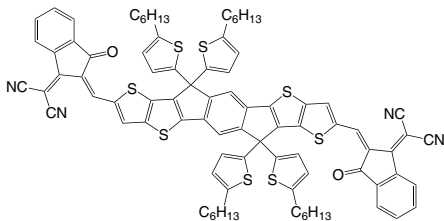
CAS No. : 2088628-64-0
Grade : >98%
Formula : C₇₆H₉₂N₆O₂S₆
M.W. : 1313.97 g/mole



LT-S9471 | ITIC-Th

3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-indanone))-5,5,11,11-tetrakis(5-hexylthienyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']-dithiophene

CAS No. : 1889344-13-1
Grade : >98%
Formula : $C_{86}H_{74}N_4O_2S_8$
M.W. : 1452.05 g/mole

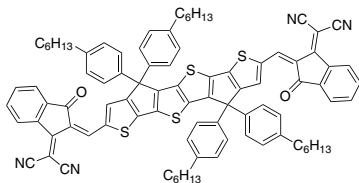


LT-S9472 | IHIC

NEW

2,2'-[[4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydrothieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':3'',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,7-diyl]bis[methylylidene(3-oxo-1H-indene-2,1(3H)-diylidene)]]bis-propanedinitrile

CAS No. : 2127354-15-6
Grade : >98% (NMR)
Formula : $C_{90}H_{80}N_4O_2S_4$
UV : 796 nm
M.W. : 1377.88 g/mole
HOMO : -5.28 eV
LUMO : -3.87 eV
Solvent : Film

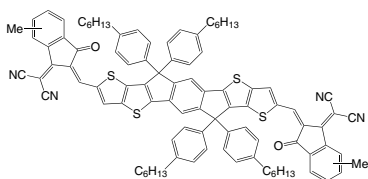


LT-S9473 | IT-M

NEW

3,9-bis(2-methylene-(3-(1,1-dicyanomethylene)-6/7-methyl-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']-dithiophene

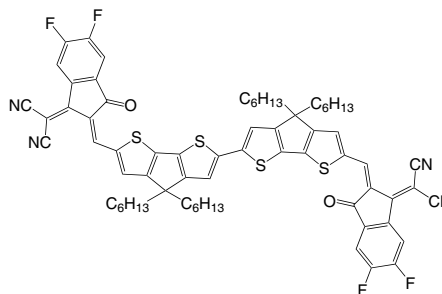
CAS No. : 2107971-73-1
Grade : >98% (HPLC)
Formula : $C_{96}H_{86}N_4O_2S_4$
M.W. : 1456 g/mole
HOMO : -5.58 eV
LUMO : -3.98 eV



LT-S9475 | CPDT-4F

2,2'-((2Z,2'Z)-((4,4,4',4'-Tetrahexyl-4H,4'H-[2,2'-bi(cyclopenta[1,2-b:5,4-b']dithiophene))-6,6'-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

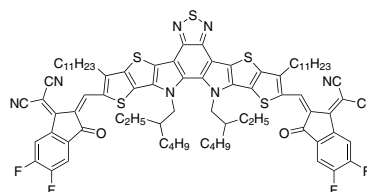
Grade : >98% (HPLC)
Formula : $C_{68}H_{62}F_4N_4O_2S_4$
M.W. : 1171.50 g/mole



LT-S9476 | Y6(BTPPT-4F)

2,2'-((2Z,2'Z)-((12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno-[2'',3''':4'',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno-[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))-bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

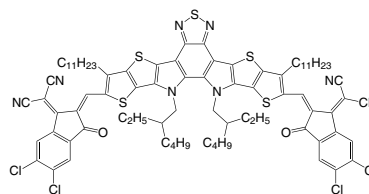
CAS No. : 2304444-49-1
Grade : >99% (NMR)
Formula : $C_{82}H_{86}F_4N_8O_2S_5$
M.W. : 1451.93 g/mole
UV : 731 nm (in $CHCl_3$)



LT-S9491 | Y7, BTP-4Cl

2,2'-((2Z,2'Z)-((12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno-[2'',3''':4'',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno-[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))-bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

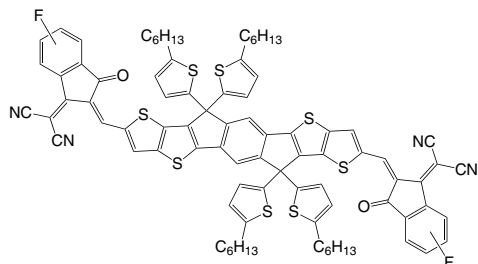
CAS NO : 2447642-40-0
Grade : >99% (NMR)
Formula : $C_{82}H_{86}Cl_4N_8O_2S_5$
M.W. : 1517.75 g/mole
UV : 746, 839 nm (in $CHCl_3$)



LT-S9492 | ITIC-Th1

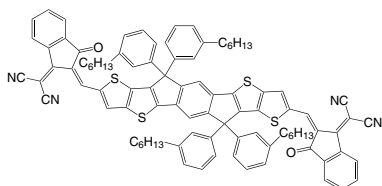
3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-6/7-fluoro-indanone))-5,5,11,11-tetrakis(5-hexylthienyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >99% (NMR)
 Formula : $C_{86}H_{72}F_2N_4O_2S_8$
 M.W. : 1488.03 g/mole
 UV : 677 nm (in CH_2Cl_2)

**LT-S9493** | m-ITIC

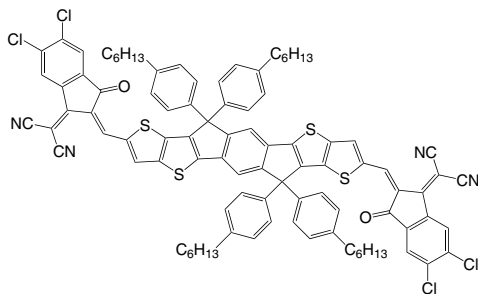
3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-indanone))-5,5,11,11-tetrakis(3-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >99% (NMR)
 Formula : $C_{94}H_{82}N_4O_2S_4$
 M.W. : 1427.94 g/mole

**LT-S9494** | IT-4Cl,ITIC-2Cl

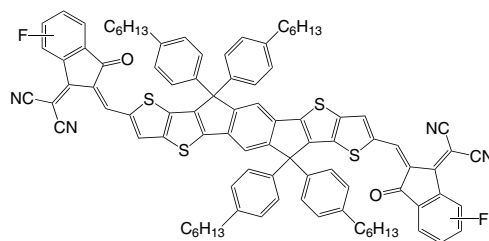
3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-6,7-dichloro-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

CAS No. : 2253663-81-7
 Grade : >99% (NMR)
 Formula : $C_{94}H_{78}Cl_4N_4O_2S_4$
 M.W. : 1565.72 g/mole

**LT-S9495** | IT-2F

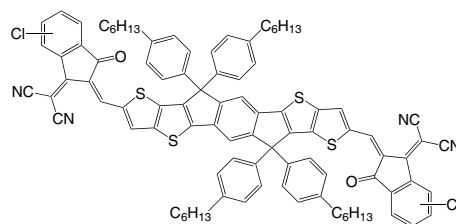
3,9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-fluoro-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >99% (NMR)
 Formula : $C_{96}H_{88}F_2N_4O_2S_4$
 M.W. : 1496.01 g/mole
 UV : 685, 721 nm (in $CHCl_3$)

**LT-S9496** | IT-2Cl

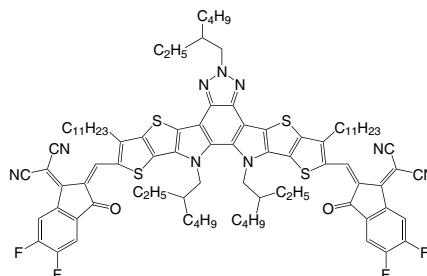
3,9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-chloro-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >99% (NMR)
 Formula : $C_{94}H_{80}Cl_2N_4O_2S_4$
 M.W. : 1496.83 g/mole
 UV : 690, 735 nm (in $CHCl_3$)

**LT-S9505** | Y11

2,2'-((2Z,2'Z)-((12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-2-(2-ethylhexyl)-[1,2,3]triazole[3,4-e]thieno[2'',3''':4',5']thieno-[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno-[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis-(5,6-difloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile

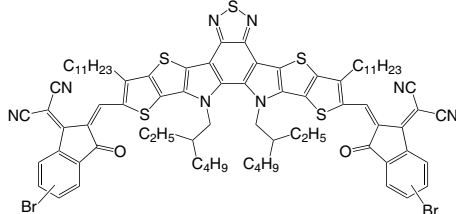
Grade : >99% (NMR)
 Formula : $C_{90}H_{103}F_4N_9O_2S_4$
 M.W. : 1547.09 g/mole
 UV : 850 nm (film)



LT-S9508 | TPT10

2,2'-((2Z,2'Z)-((12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]-thiadiazolo[3,4-e]thieno[2'',3''':4',5']-thieno[2',3':4,5]pyrrolo[3,2-g]thieno-[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5/6-bromo-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

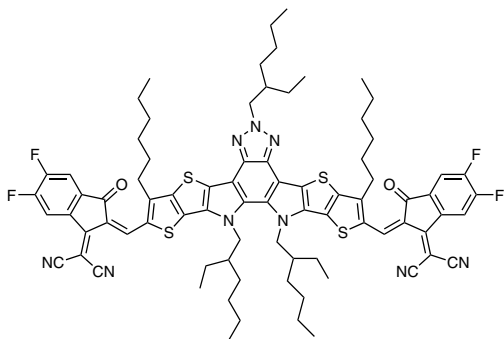
CAS No. : 2414381-17-0
 Grade : >99% (NMR)
 Formula : $C_{82}H_{88}Br_2N_8O_2S_5$
 M.W. : 1537.76 g/mole
 UV : 817 nm (film)



LT-S9544 | Y18

2,2'-((2Z,2'Z)-((12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-2-(2-ethylhexyl)-[1,2,3]triazole[3,4-e]-thieno[2'',3''':4',5']thieno-[2',3':4,5]pyrrolo[3,2-g]-thieno[2',3':4,5]thieno-[3,2-b]indole-2,10-diyl)-bis(methanylylidene))bis-(5,6-difloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

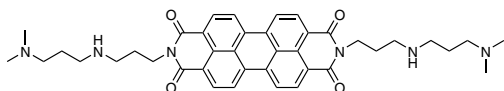
Grade : >99% (NMR)
 Formula : $C_{80}H_{83}F_4N_9O_2S_4$
 M.W. : 1406.83 g/mole
 HOMO : -5.58 eV
 LUMO : -3.91 eV



LT-S9545 | PDINN

2,9-Bis[3-[[3-(dimethylamino)propyl]amino]propyl]-anthra[2,1,9-def:6,5,10-d'e']diisquinoline-1,3,8,10(2H,9H)-tetrone

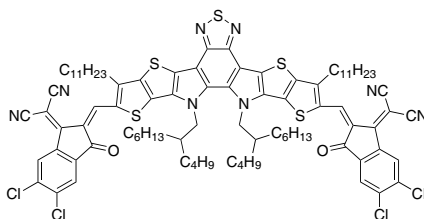
CAS No. : 1020180-01-1
 Grade : >99% (NMR)
 Formula : $C_{40}H_{46}N_6O_4$
 M.W. : 674.83 g/mole
 Hole Mobility : 7.1 cm^2 / (Vs)



LT-S9558 | Y6-BO-4CI

2,2'-((2Z,2'Z)-((12,13-bis(2-butylloctyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno [2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

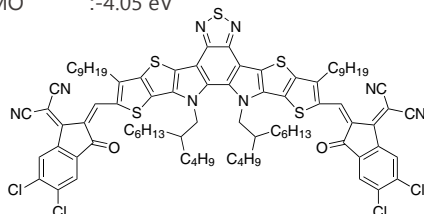
CAS No. : 2447642-41-1
 Grade : >99% (NMR)
 Formula : $C_{90}H_{102}Cl_4N_8O_2S_5$
 M.W. : 1629.96 g/mole
 HOMO : -5.63 eV
 LUMO : -4.04 eV



LT-S9559 | BTP-eC9

2,2'-((2Z,2'Z)-((12,13-bis(2-butylloctyl)-3,9-dinonyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

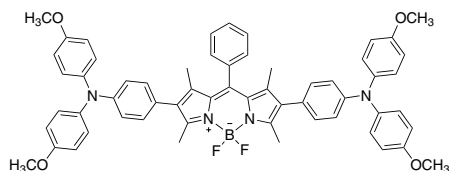
CAS No. : 2598965-39-8
 Grade : >99% (NMR)
 Formula : $C_{86}H_{94}Cl_4N_8O_2S_5$
 M.W. : 1573.89 g/mole
 UV : 543 nm
 HOMO : -5.64 eV
 LUMO : -4.05 eV



LT-S9560 | BTPA III

2,8-Bis(4-(bis(4-methoxyphenyl)amino)phenyl)-5,5-difluoro-1,3,7,9-tetramethyl-10-phenyl-5H-dipyrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-4-ium-5-uide

Grade : >99% (NMR)
 Formula : $C_{59}H_{53}BF_2N_4O_4$
 M.W. : 930.88 g/mole
 HOMO : -5.14 eV
 LUMO : -3.34 eV



LT-S9563

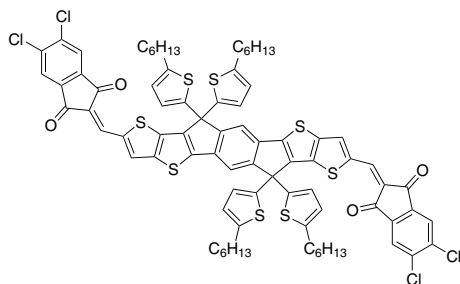
NEW

3,9-bis(2-methylene-(5,6-dichloro-1H-indene-1,3(2H)-dione))-5,5,11,11-tetrakis(5-hexylthienyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >99% (HPLC)

Formula : $C_{80}H_{70}Cl_4O_4S_8$

M.W. : 1493.74 g/mole



LT-S9581

L8-BO-F

2,2'-((2Z,2'Z)-((12,13-bis(2-ethylhexyl)-3,9-butyloctyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diy)bis(methanylylidene))bis(5/6-fluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diy)lidene)dimalononitrile

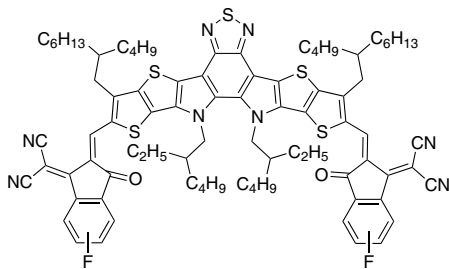
Grade : >99% (NMR)

Formula : $C_{84}H_{92}F_2N_8O_2S_5$

M.W. : 1444.00 g/mole

HOMO : -5.59 eV

LUMO : -3.85 eV



LT-S9582

DR8

(5Z,5'Z)-5,5'-(4-(2-butyloctyl)-4H-dithieno[3,2-b:2',3'-d']pyrrole-2,6-diy)bis(methanylylidene))bis(3-octyl-2-thioxothiazolidin-4-one)

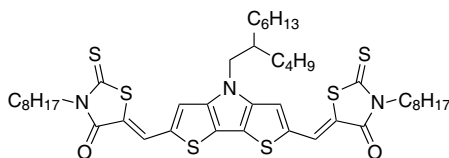
Formula : $C_{44}H_{63}N_3O_2S_6$

M.W. : 858.38 g/mole

UV : 584 nm (in $CHCl_3$)

HOMO : -5.67 eV

LUMO : -3.50 eV



LT-S9584

ITC6-4Cl

2,2'-[[[3,9-Dihexyl-6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-diy]]bis[methylydine(5,6-chloro-3-oxo-1H-indene-2,1(3H)-diy)lidene]]bispropanedinitrile

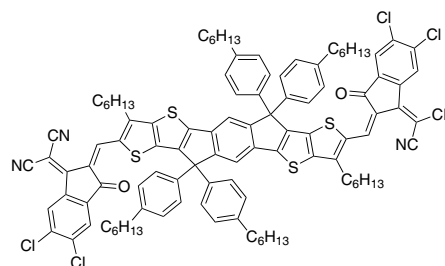
Formula : $C_{106}H_{102}Cl_4N_4O_2S_4$

M.W. : 1734.04 g/mole

UV : 718 nm (in $CHCl_3$)

HOMO : -5.79 eV

LUMO : -4.03 eV



LT-S9606

BTR

NEW

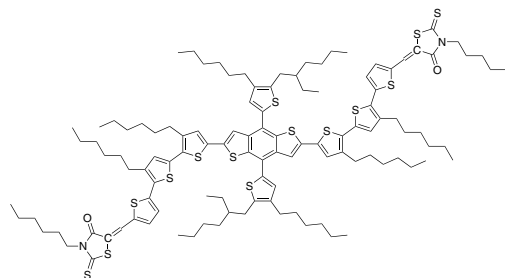
5,5'-[[[4-bis[5-(2-ethylhexyl)-4-hexyl-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diy]]bis[(3',3''-dihexyl[2,2':5',2''-terthiophene]-5'',5-diy)methylydine]]bis[3-hexyl-2-thioxo-4-thiazolidinone]

CAS No. : 2041283-06-9

Grade : >98%

Formula : $C_{114}H_{152}N_2O_2S_{14}$

M.W. : 2031.41 g/mole



LT-S9607 | DTY6

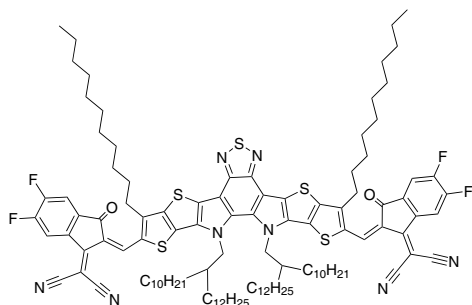
NEW

2,2'-((2Z,2'Z)-((12,13-bis(2-decylteradecyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diy)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

Grade : > 99%

Formula : C₁₁₄H₁₅₀F₄N₈O₂S₅

M.W. : 1900.83 g/mole



LT-S9608 | TPT10-C8C12

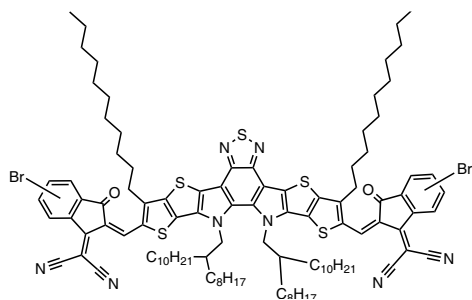
NEW

2,2'-[[12,13-Bis(2-octyldodecyl)-12,13-dihydro-3,9-dinonylbisthieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-e:2',3'-g][2,1,3]benzothiadiazole-2,10-diy]bis[methylidyne(5 or 6-bromo-3-oxo-1H-indene-2,1(3H)-diylidene)]bis[propanedinitrile]

Grade : > 98%

Formula : C₁₀₆H₁₃₆Br₂N₈O₂S₅

M.W. : 1874.45 g/mole



LT-S9609 | BTP-4F-12

NEW

2,2'-((2Z,2'Z)-((12,13-bis(2-butyloctyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diy)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

CAS No. : 2389125-23-7

Grade : > 98% (NMR)

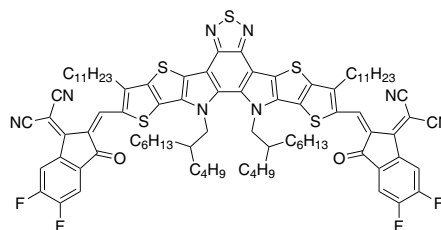
Formula : C₉₀H₁₀₂F₄N₈O₂S₅

M.W. : 1564.14 g/mole

UV : 715 nm

HOMO : -5.68 eV

LUMO : -4.06 eV

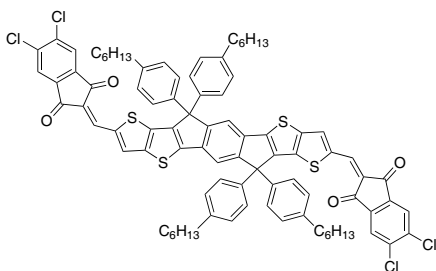


LT-S9712 | IO-4Cl

NEW

3,9-Bis[5,6-dichloro-1H-indene-1,3(2H)dione]-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d':3'-d'']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade : >98% (NMR)
 Formula : $C_{88}H_{78}Cl_4O_4S_4$
 M.W. : 1469.63 g/mole
 HOMO : -5.72
 LUMO : -3.83

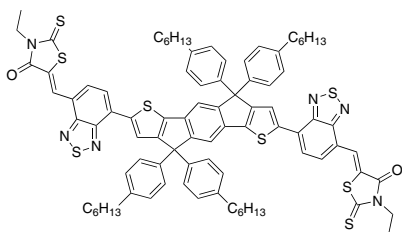


LT-S9713 | IDT-2Br

NEW

5,5'-[[4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl]bis(2,1,3-benzothiadiazole-7,4-diylmethylidene)]bis[3-ethyl-2-thioxo-4-thiazolidinone]

CAS No. : 2042521-91-3
 Grade : >98% (NMR)
 Formula : $C_{88}H_{88}N_6O_2S_8$
 UV : 636 nm
 M.W. : 1518.2 g/mole
 HOMO : -5.52
 LUMO : -3.69
 Solvent : $CHCl_3$

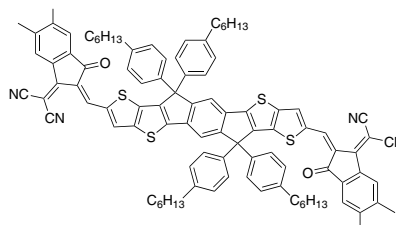


LT-S9714 | ITIC-DM

NEW

3,9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6,7-dimethyl-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2';3'-d'']-s-indaceno[1,2-b:5,6-b']dithiophene

CAS No. : 2047352-92-9
 Grade : >98% (NMR)
 Formula : $C_{98}H_{90}N_4O_2S_4$
 M.W. : 1484.05 g/mole
 HOMO : -5.56
 LUMO : -3.93

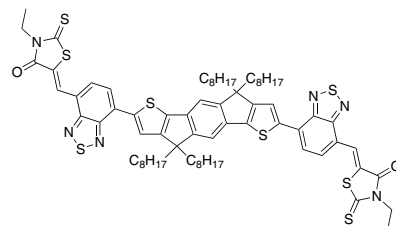


LT-S9715 | o-IDTBR

NEW

(5Z,5'Z)-5,5'-((7,7'-(4,4,9,9-tetraoctyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(benzo[c][1,2,5]thiadiazole-7,4-diyl))bis(methanylylidene))bis(3-ethyl-2-thioxothiazolidin-4-one)

CAS No. : 2077945-91-4
 Grade : >98% (NMR)
 Formula : $C_{72}H_{88}N_6O_2S_8$
 M.W. : 1326.03 g/mole
 HOMO : -5.56
 LUMO : -3.93

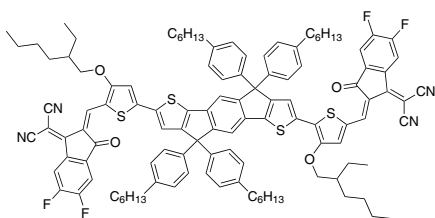


LT-S9716 | IEICO-4F

NEW

2,2'-((2Z,2'Z)-(((4,4,9-tris(4-hexylphenyl)-9-(4-pentylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b dithiophene-2,7-diy])bis(4-((2-ethylhexyl)oxy)thiophene5,2-diy))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diy))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diy))bis(methanylylidene)) dimalononitrile

CAS No. :2089044-02-8
 Grade :>98% (NMR)
 Formula :C₁₁₄H₁₁₄F₄N₄O₄S₄
 UV :865 nm
 M.W. :1808.4 g/mole
 HOMO :-5.44
 LUMO :-4.16
 Solvent :Film

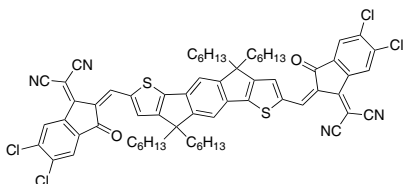


LT-S9717 | IDIC-4Cl

NEW

2,2'-((2Z,2'Z)-((4,4,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diy))bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diy))bis(methanylylidene)) dimalononitrile

CAS No. :2361961-01-3
 Grade :>98% (NMR)
 Formula :C₆₆H₆₂Cl₄N₄O₂S₂
 M.W. :1149.17 g/mole
 HOMO :-5.72
 LUMO :-4.1

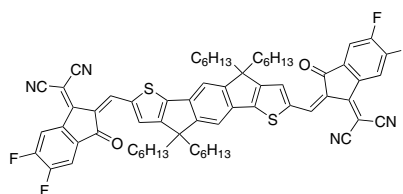


LT-S9718 | IDIC-4F

NEW

2,2'-((2Z,2'Z)-((4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diy))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diy))bis(methanylylidene)) dimalononitrile

CAS No. :2229934-71-6
 Grade :>98% (NMR)
 Formula :C₆₆H₆₂F₄N₄O₂S₂
 UV :707 nm
 M.W. :1083.35
 HOMO :-6.3
 LUMO :-3.82
 Solvent :Film

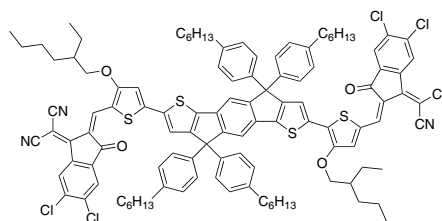


LT-S9719 | IEICO-4Cl

NEW

2,2'-((2Z,2'Z)-(((4,4,9-tris(4-hexylphenyl)-9-(4-pentylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b dithiophene-2,7-diy])bis(4-((2-ethylhexyl)oxy)thiophene5,2-diy))bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diy))bis(methanylylidene)) dimalononitrile

CAS No. :2240998-88-1
 Grade :>98% (NMR)
 Formula :C₁₁₄H₁₁₄Cl₄N₄O₄S₄
 UV :802 nm
 M.W. :1874.22
 HOMO :-5.56
 LUMO :-4.23
 Solvent :CHCl₃

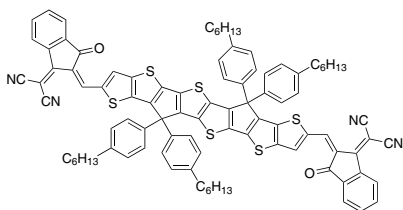


LT-S9720 | 6TIC

NEW

2,2'-[[[6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydro-Thieno[2''',3''':4',5'']thieno[3'':2':4,5]cyclopenta[1,2-b]thieno[2''',3''':4',5'']thieno[2''',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,7-diy]]bis[methylidyne(3-oxo-1H-indene-2,1(3H)-diylidene)]]bis-propanedinitrile

CAS No. :2244414-53-5
 Grade :>98% (NMR)
 Formula :C₉₄H₈₀N₄O₂S₆
 UV :795 nm
 M.W. :1490.06 g/mole
 HOMO :-5.45
 LUMO :-3.94
 Solvent :Film

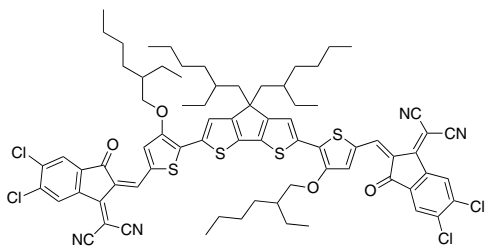


LT-S9721 | COTIC-4Cl

NEW

2,2'-((2Z,2'Z)-((4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6-diy))bis(4-(2-ethylhexyloxy)thiophene-5,2-diy))bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

CAS No. :2328092-51-7
 Grade :>98% (NMR)
 Formula :C₇₅H₇₈Cl₄N₄O₄S₄
 UV :1005 nm
 M.W. :1369.52 g/mole
 HOMO :-5.24
 LUMO :-4.02
 Solvent :Film

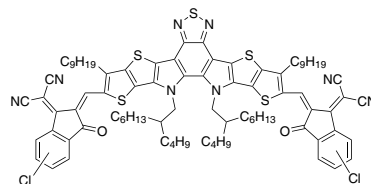


LT-S9722 | eC9-2Cl

NEW

2,2'-[[[12,13-Bis(2-butylcetyl)-12,13-dihydro-3,9-dinonylbisthieno[2'',3''':4',5'']thieno[2'':3':4,5]pyrrolo[3,2-e:2',3'-g][2,1,3]benzothiadiazole-2,10-diy]]bis[methylidyne(2 or 3-chloro-3-oxo-1H-indene-2,1(3H)-diylidene)]]bis[propanedinitrile]

Grade :>98% (NMR)
 Formula :C₈₆H₉₆Cl₂N₈O₂S₅
 M.W. :1504.97 g/mole
 HOMO :-5.57
 LUMO :-3.74

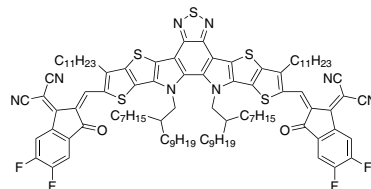


LT-S9723 | HU-Y6

NEW

2,2'-((2Z,2'Z)-((12,13-bis(2-heptylundecyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5'']thieno[2'':3':4,5]pyrrolo[3,2-g]thieno[2'':3':4,5]thieno[3,2-b]indole-2,10-diy))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

Grade :>98% (NMR)
 Formula :C₁₀₂H₁₂₆F₄N₈O₂S₅
 M.W. :1732.46 g/mole

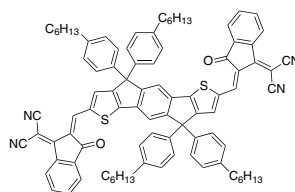


LT-S9724 | IDPC

NEW

2,2'-((2Z,2'Z)-((4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diy))bis(methanylylidene))bis(3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

CAS No. :2095504-33-7
 Grade :>98% (NMR)
 Formula :C₉₀H₈₂N₄O₂S₂
 M.W. :1315.77 g/mole

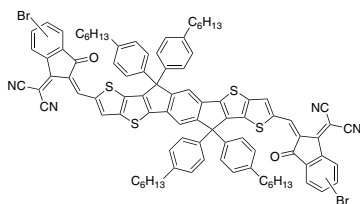


LT-S9725 | IT-2Br

NEW

3,9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-bromo)-indanonone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

CAS No. :2408481-69-4
 Grade :>98% (NMR)
 Formula :C₉₄H₈₀Br₂N₄O₂S₄
 UV :741 nm
 M.W. :1585.73 g/mole
 HOMO :-5.53
 LUMO :-3.9
 Solvent :Film

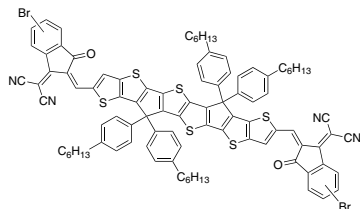


LT-S9726 | 6TIC-Br

NEW

2,2'-[[[6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydro-Thieno[2'',3''':4'',5'']thieno[3'',2'':4,5]cyclopenta[1,2-b]thieno[2''',3''':4'',5'']thieno[2'',3'':3'',4'']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,7-diyl]bis[methylidyne(2 or 3-chloro-3-oxo-1H-indene-2,1(3H)-diylidene)]]bis-propanedinitrile

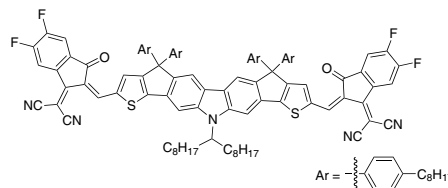
Grade :>98% (NMR)
 Formula :C₉₄H₇₈Br₂N₄O₂S₆
 M.W. :1647.85 g/mole



LT-S9742 | DTCCIC-4F

NEW

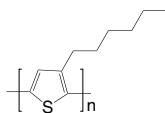
CAS No. :2375196-39-5
 Formula :C₁₂₁H₁₃₁F₄N₅O₂S₂
 M.W. :1827.5 g/mole
 UV :703 nm (in DCM)
 HOMO :-5.8 eV
 LUMO :-3.94 eV
 Synonym :DTC(4Ph)-4FIC



LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No. : 110134-47-9 / 104934-50-1
 Grade : Mw >45,000 (GPC)
 Electronic Grade : Regio Regular >93%
 Formula : $(C_{10}H_{14}S)_n$
 UV : 445 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene,
 Dichlorobenzene



LT-S911 | PT

Poly(thiophene-2,5-diyl)

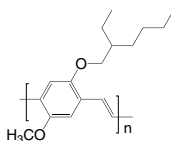
CAS No. : 25233-34-5
 Formula : $(C_4H_2S)_n$
 UV : 427 nm (in CH_2Cl_2)
 PL : 510 nm (in CH_2Cl_2)



LT-S931 | MEH-PPV

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

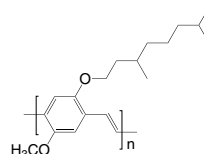
CAS No. : 138184-36-8
 Grade : Mw >100,000 (GPC)
 Formula : $(C_{17}H_{24}O_2)_n$
 UV : 501 nm (in CH_2Cl_2)
 PL : 502 nm (in CH_2Cl_2)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene,
 Dichlorobenzene



LT-S932 | DDMO-PPV

Poly[2-methoxy-5-(3,7-dimethoxyoctyloxy)-1,4-phenylenevinylene]

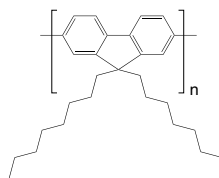
CAS No. : 177716-59-5
 Grade : Mw >100,000 (GPC)
 Formula : $(C_{19}H_{28}O_2)_n$
 UV : 485 nm (in CH_2Cl_2)
 PL : 555 nm (in CH_2Cl_2)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene,
 Dichlorobenzene



LT-S933 | PFO

Poly(9,9-dioctylfluorenyl-2,7-diyl)

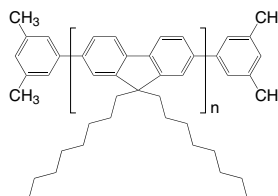
CAS No. : 123864-00-6
 Grade : Mw = 50,000 ~ 150,000 (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 376 nm (in THF)
 PL : 426 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene,
 Dichlorobenzene



LT-S934 | PFO-DMP

Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with dimethylphenyl

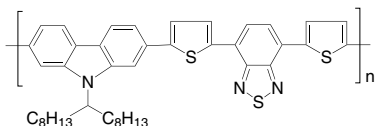
CAS No. : 874816-14-5
 Grade : Mw = 50,000 ~ 150,000 (GPC)
 Formula : $C_{16}H_{18}(C_{29}H_{40})_n$
 UV : 368 nm (in THF)
 PL : 421 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene,
 Dichlorobenzene



LT-S948 | PCDTBT

Poly[*N*-9'-heptadecanyl-2,7-carbazole-*alt*-5,5-(4',7'-di-2-thienyl-2',1',3'-benzothiadiazole)]

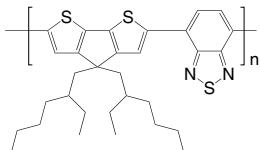
CAS No. : 958261-50-2
 Grade : Mw = 20,000 ~ 100,000 (GPC)
 Formula : (C₄₃H₄₇N₃S₃)_n
 UV : 390, 554 nm (in THF)
 PL : 639 nm (in THF)
 Solubility : >5 mg/mL in CHCl₃



LT-S949 | PCPDTBT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4*H*-cyclopenta[2,1-*b*:3,4-*b'*]-dithiophene)-*alt*-4,7-(2,1,3-benzothiadiazole)]

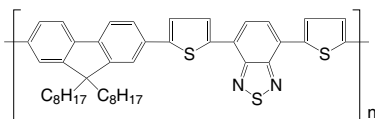
CAS No. : 920515-34-0
 Grade : Mw = 7,000 ~ 20,000 (GPC)
 Formula : (C₃₁H₃₈N₂S₃)_n
 UV : 695 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S950 | PFOBT / PFODBT

Poly[2,7-(9,9-di-octyl-fluorene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

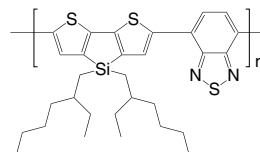
CAS No. : 782469-77-6
 Grade : Mw = 10,000 ~ 50,000 (GPC)
 Formula : (C₄₃H₄₆N₂S₃)_n
 UV : 523 nm (in CH₂Cl₂)
 PL : 630 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S951 | PSBTBT

Poly[2,6-(4,4'-bis(2-ethylhexyl)dithieno[3,2-*b*:2',3'-*d'*]silole)-*alt*-4,7-(2,1,3-benzothiadiazole)]

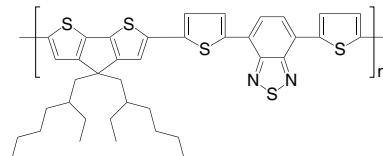
CAS No. : 1089687-02-4
 Grade : Mw = 10,000 ~ 30,000 (GPC)
 Formula : (C₃₀H₃₈N₂S₃Si)_n
 UV : 652 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S953 | PCPDTTBT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4*H*-cyclopenta-[2,1-*b*:3,4-*b'*]-dithiophene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

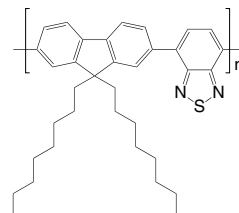
CAS No. : 1035681-83-4
 Grade : Mw = 8,000 ~ 20,000 (GPC)
 Formula : (C₃₉H₄₂N₂S₅)_n
 UV : 615 nm (in CHCl₃)
 PL : 749 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S957 | F8BT

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

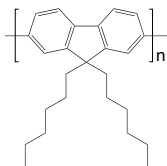
CAS No. : 210347-52-7
 Grade : Mw > 20,000 (GPC)
 Formula : (C₃₅H₄₂N₂S)_n
 UV : 453 nm (in THF)
 PL : 534 nm (in THF)
 Solubility : Soluble in THF, CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S958 | PHF

Poly[9,9-dihexylfluorenyl-2,7-diyl]

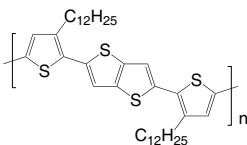
CAS No. : 201807-75-2
 Grade : Mw = 30,000~100,000 (GPC)
 Formula : $(C_{25}H_{32})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S981 | PBTTC-12

Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-b]thiophene]

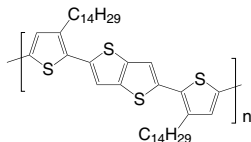
CAS No. : 888491-18-7
 Grade : Mw = 10,000~100,000 (GPC)
 Formula : $(C_{38}H_{54}S_4)_n$
 UV : 460 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : >5 mg/mL in $CHCl_3$



LT-S982 | PBTTC-14

Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-b]thiophene]

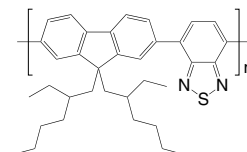
CAS No. : 888491-19-8
 Grade : Mw = 10,000~100,000 (GPC)
 Formula : $(C_{42}H_{62}S_4)_n$
 UV : 466 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : >5 mg/mL in $CHCl_3$



LT-S9003 | F2EHTB

Poly[(9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

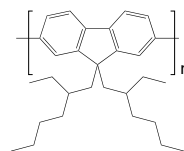
CAS No. : 1379051-13-4
 Grade : Mw = 10,000 ~ 50,000 (GPC)
 Formula : $(C_{35}H_{42}N_2S)_n$
 UV : 453 nm (in THF)
 PL : 645 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9004 | PF2EH

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

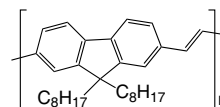
CAS No. : 188201-16-3
 Grade : Mw >20,000 (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9006

Poly[(9,9-dioctyl-9H-fluorene-2,7-diyl)-(1E)-1,2-ethene-diyl]

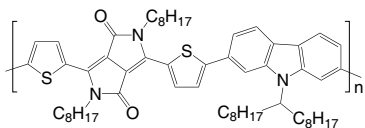
CAS No. : 360068-36-6
 Grade : Mw >20,000 (GPC)
 Formula : $(C_{31}H_{42})_n$
 UV : 455 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9032 | PCBTDPD

Poly[*N*-9'-heptadecanyl-2,7-carbazole-*alt*-3,6-bis(thiophen-5-yl)-2,5-dioctyl-2,5-dihydropyrrolo[3,4-*c*]pyrrole-1,4-dione]

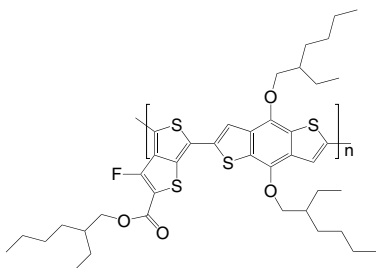
CAS No. : 1147374-60-4
 Grade : Mw > 10,000 (GPC)
 Formula : (C₅₉H₈₁N₃O₂S₂)_n
 UV : 647 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9050 | PTB7

Poly[4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-*b*]thiophene-4,6-diyl]

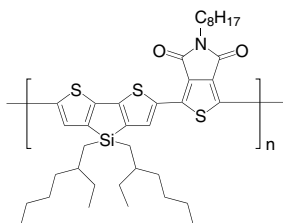
CAS No. : 1266549-31-8
 Grade : Mw > 20,000 (GPC)
 Formula : (C₄₁H₅₃FO₄S₄)_n
 UV : 670 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9066 | PDTSTPD

Poly[2,6-(4,4'-bis(ethylhexyl)dithiopheno[3,2-*b*:2',3'-*d*]silole)-*alt*-(1,3-(5-octyl-4*H*-thieno[3,4-*c*]pyrrole-4,6(5*H*)-dione))]

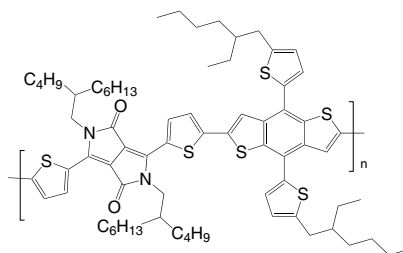
CAS No. : 1279109-93-1
 Grade : Mw = 7,000 ~ 30,000 (GPC)
 Formula : (C₃₈H₅₃NO₂S₃Si)_n
 UV : 614, 670 nm (film)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9081 | PBDTT-DPP

Poly[2,6'-4,8-di(5-ethylhexylthiényl)benzo[1,2-*b*:3,4-*b'*]dithiophene-*alt*-5-dibutyloctyl-3,6-bis(5-bromothiophen-2-yl)pyrrolo[3,4-*c*]pyrrole-1,4-dione]

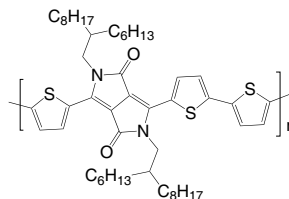
CAS No. : 1380582-98-8
 Grade : Mw > 50,000 (GPC)
 Formula : (C₇₂H₉₄N₂O₂S₆)_n
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9109 | PDPPP3T

Poly[2,2'-(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl)dithiophene]-5,5'-diyl-*alt*-thiophen-2,5-diyl]

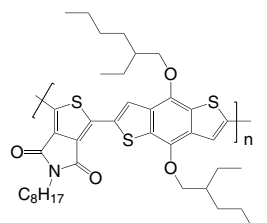
CAS No. : 1198291-01-8
 Grade : Mw > 30,000 (GPC)
 Formula : (C₅₀H₇₂N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9111 | PBDTTPD

Poly[4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl-*alt*-(1,3-(5-octyl-4*H*-thieno[3,4-*c*]pyrrole-4,6(5*H*)-dione))]

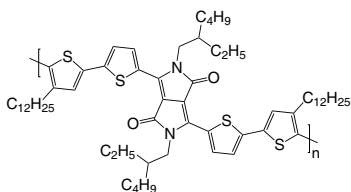
CAS No. : 1223479-75-1
 Grade : Mw > 30,000 (GPC)
 Formula : (C₄₀H₅₃NO₄S₃)_n
 UV : 610 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9112 | pBBTDPP2

Poly[3,6-bis(4'-dodecyl[2,2'-bithiophen]-5-yl)-2,5-bis(2-ethylhexyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione]

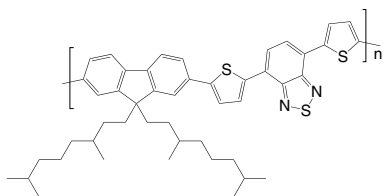
CAS No. : 1002094-22-5
 Grade : Mw > 30,000 (GPC)
 Formula : $(C_{62}H_{90}N_2O_2S_4)_n$
 UV : 650 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9113 | BisDMO-PFDTBT

Poly[[2,7-(9,9-bis(3,7-dimethyloctyl)fluorene)]-*alt*-[5,5-(4,7-di-2'-thienyl-2,1,3-benzothiadiazole)]]

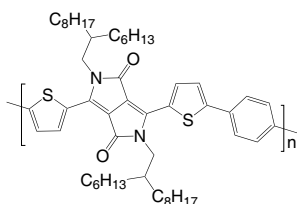
CAS No. : 1204005-82-2
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{47}H_{54}N_2O_2S_3)_n$
 UV : 560 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9114 | PDPPTPT

Poly[2,2'-((2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl))dithiophene-5,5'-diyl-*alt*-benzen-1,4-diyl]

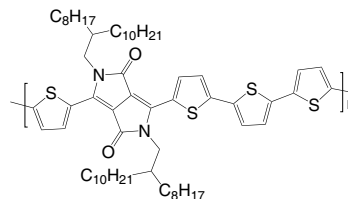
CAS No. : 1255939-39-9
 Grade : Mw > 20,000 (GPC)
 Formula : $(C_{52}H_{74}N_2O_2S_2)_n$
 UV : 628 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9117 | PDQT

Poly[2,2'-((2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl))dithiophene-5,5'-diyl-*alt*-2,2'-bithiophene-5,5'-diyl]

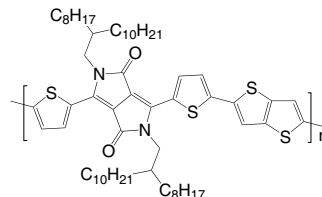
CAS No. : 1267540-03-3
 Grade : Mw > 30,000 (GPC)
 Formula : $(C_{62}H_{90}N_2O_2S_4)_n$
 UV : 810 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9118 | PDBT-co-TT

Poly[2,2'-((2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl))dithiophene-5,5'-diyl-*alt*-thieno[3,2-b]thiophen-2,5-diyl]

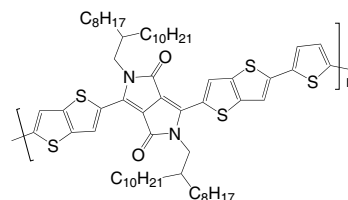
CAS No. : 1260685-65-1
 Grade : Mw > 30,000 (GPC)
 Formula : $(C_{60}H_{88}N_2O_2S_4)_n$
 UV : 810 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9119 | PDPPBTT

Poly[2,2'-((2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl))dithiophene-5,5'-diyl-*alt*-thiophen-2,5-diyl]

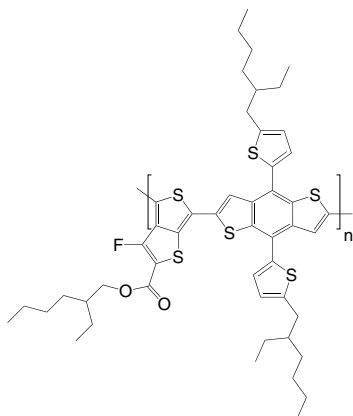
CAS No. : 1270977-98-4
 Grade : Mw > 30,000 (GPC)
 Formula : $(C_{62}H_{88}N_2O_2S_3)_n$
 UV : 812 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9139 | PTB7-Th

Poly[4,8-bis[5-(2-ethylhexyl)thiophen-2-yl]benzo[1,2-b:4,5-b']-dithiophene-2,6-diyl-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]-thieno[3,4-*b*]thiophene-4,6-diyl]

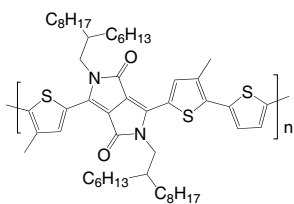
CAS No. : 1469791-66-9
 Grade : Mw = 10,000~100,000 (GPC)
 Formula : (C₄₉H₅₇FO₂S₆)_n
 UV : 695 nm (in CHCl₃)
 Solubility : >5 mg/mL in CHCl₃



LT-S9178 | PMDPP3T

Poly[[2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-*c*]pyrrole-1,4-diyl]-*alt*-[3',3''-dimethyl-2,2':5',2''-terthiophene]-5,5''-diyl]

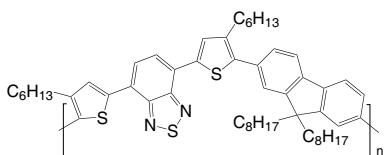
CAS No. : 1429119-71-0
 Grade : Mw >30,000 (GPC)
 Formula : (C₅₂H₇₆N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9210 | F8TBT

4-(5-(9,9-Dioctyl-9H-fluoren-2-yl)-4-hexylthiophen-2-yl)-7-(4-hexylthiophen-2-yl)benzo[*c*][1,2,5]thiadiazole

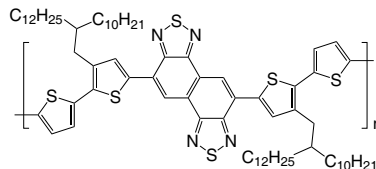
CAS No. : 891911-18-5
 Grade : Mw >5,000 (GPC)
 Formula : (C₅₅H₇₀N₂S₃)_n



LT-S9271 | PNTz4T

Poly[naphtho[1,2-*c*:5,6-*c'*]bis[1,2,5]thiadiazole-5,10-diyl[3,3'''-bis(2-decyltetradecyl)[2,2':5':2'':5'',2'''-quaterthiophene]-5,5'''-diyl]]

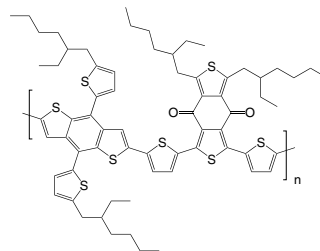
CAS No. : 1357999-94-0
 Grade : Mw >30,000 (GPC)
 Formula : (C₇₄H₁₀₆N₄S₆)_n
 UV : 725 nm (film)



LT-S9273 | PBDB-T

Poly[[4,8-bis[5-(2-ethylhexyl)-2-thienyl]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl]-2,5-thiophenediyl[5,7-bis(2-ethylhexyl)-4,8-dioxo-4H,8H-benzo[1,2-*c*:4,5-*c'*]dithiophene-1,3-diyl]]

CAS No. : 1415929-80-4
 Grade : Mw >10,000 (GPC)
 Formula : (C₆₈H₇₈O₂S₈)_n

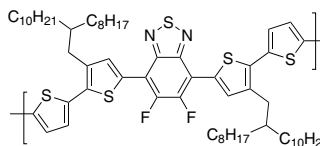


LT-S9216 | PffBT4T-2OD

NEW

Poly[(5,6-difluoro-2,1,3-benzothiadiazole-4,7-diyl)[3,3'''-bis(2-octyldodecyl)[2,2':5':2'':5'',2'''-quaterthiophene]-5,5'''-diyl]]

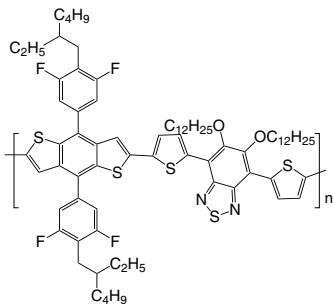
CAS No. : 1644164-62-4
 Grade : Mw >30,000
 Formula : (C₆₂H₈₈F₂N₂S₅)_n



LT-S9278 | PTFBDT-BZS

Poly[[5,6-bis(dodecyloxy)-2,1,3-benzothiadiazole-4,7-diyl]-2,5-thiophenediyl[4,8-bis[4-(2-ethylhexyl)-3,5-difluorophenyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl]

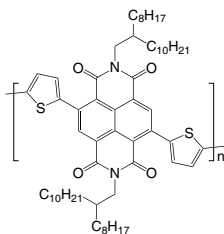
CAS No. : 1840869-86-4
Grade : Mw > 20,000 (GPC)
Formula : (C₇₆H₉₄F₄N₂O₂S₅)_n
UV : 414, 542 nm (in DCB)



LT-S9282 | P(NDI2OD-T2)

Poly[[1,2,3,6,7,8-hexahydro-2,7-bis(2-octyldodecyl)-1,3,6,8-dioxobenzol[Imn][3,8]phenanthroline-4,9-diyl][2,2'-bithiophene]-5,5'-diyl]

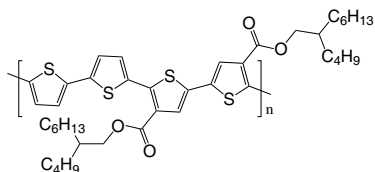
CAS No. : 1100243-40-0
Grade : Mw > 10,000 (GPC)
Formula : (C₆₂H₈₈N₂O₄S₂)_n



LT-S9288 | PDCBT

Poly[[2,2'-(bis[[(2-butyldecyl)oxy]carbonyl]-[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl]

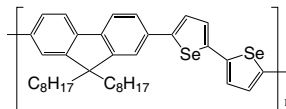
CAS No. : 1609536-17-5
Grade : Mw > 10,000 (GPC)
Formula : (C₄₂H₅₆O₄S₄)_n
UV : 551 nm (film)



LT-S9420 | F8Se2

Poly[[2,2'-biselenophene]-5,5'-diyl(9,9-dioctyl-9H-fluorene-2,7-diyl)]

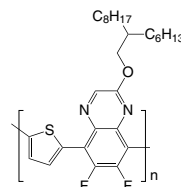
CAS No. : 898233-56-2
Formula : (C₃₇H₄₄Se₂)_n



LT-S9435 | PTQ10

Poly[(thiophene)-alt-(6,7-difluoro-2-(2-hexyldecyloxy)quinoxaline)]

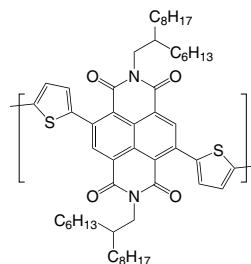
CAS No. : 2270233-86-6
Grade : Mw > 10,000 (GPC)
Formula : (C₂₈H₃₆F₂N₂O₂S)_n
UV : A strong Absorption from 450 to 620 nm (in CHCl₃ and film)



LT-S9448 | PNDI(2HD)2T

Poly[[N,N'-bis(2-hexyldecyl)naphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-alt-5,5'-(2,2'-bithiophene)]

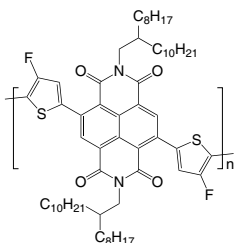
CAS No. : 1459168-70-7
Grade : Mw > 10,000 (GPC)
Formula : (C₅₄H₇₂N₂O₄S₂)_n



LT-S9449 | P(NDI2OD-2FT)

Poly[[1,2,3,6,7,8-hexahydro-2,7-bis(2-octyl)dodecyl]-1,3,6,8-tetraoxobenzo[Imn][3,8]phenanthroline-4,9-diy]-(-3,3'-difluoro[2,2'-bithiophene]-5,5'-diyl)]

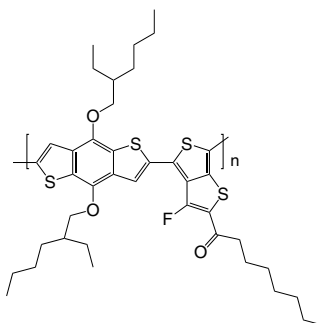
CAS No. : 1773524-46-1
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{62}H_{86}F_2N_2O_4S_2)_n$
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9452 | PBDTTT-CF

Poly[[4,8-bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']-dithiophene-2,6-diyl][3-fluoro-2-(1-oxooctyl)thieno[3,4-b]thiophenediyl]]

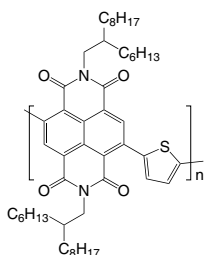
CAS No. : 1379592-65-0
 Grade : Mw > 50,000 (GPC)
 Formula : $(C_{40}H_{51}FO_3S_4)_n$



LT-S9454 | PNDI(2HD)T

Poly{[N,N'-bis(2-hexyl)dodecyl)naphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-alt-2,5-thiophene}

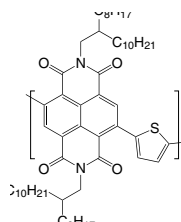
CAS No. : 1675973-74-6
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{50}H_{70}N_2O_4S)_n$
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9455 | PNDI(2OD)T

Poly[[1,2,3,6,7,8-hexahydro-2,7-bis(2-octyl)dodecyl)-1,3,6,8-tetraoxobenzo[Imn][3,8]phenanthroline-4,9-diy]-2,5-thiophenediyl]

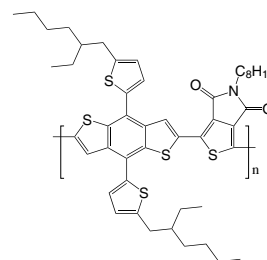
CAS No. : 1236111-76-4
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{58}H_{86}N_2O_4S)_n$
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9456 | PBDT-T8-TPD

Poly[[5,6-dihydro-5-octyl-4,6-dioxo-4H-thieno[3,4-c]-pyrrole-1,3-diyl][4,8-bis[5-(2-ethylhexyl)-2-thienyl]-benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]]

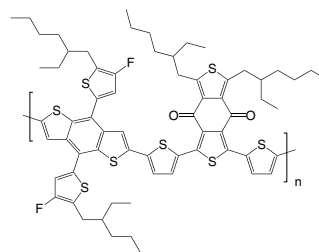
CAS No. : 1426534-44-2
 Grade : Mw = 50,000-150,000 (GPC)
 Formula : $(C_{48}H_{57}NO_2S_5)_n$
 UV : 557, 614 nm (film)



LT-S9457 | PBDB-T-2F

Poly[[4,8-bis[5-(2-ethylhexyl)-4-fluoro-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl-[5,7-bis(2-ethylhexyl)-4,8-dioxo-4H,8H-benzo[1,2-c:4,5-c']-dithiophene-1,3-diyl]-2,5-thiophenediyl]

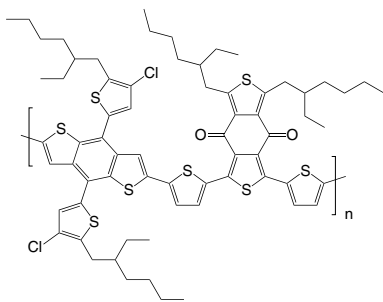
CAS No. : 1802013-83-7
 Grade : MW = 10000~100000 (GPC)
 Formula : $(C_{68}H_{76}F_2O_2S_8)_n$
 UV : 614 nm (in $CHCl_3$)



LT-S9458 | PBDB-T-2Cl

Poly[[4,8-bis(4-chloro-5-(2-ethylhexyl)-2-thienyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl-[5,7-bis(2-ethylhexyl)-4,8-dioxo-4H,8H-benzo[1,2-c:4,5-c']dithiophene-1,3-diyl]-2,5-thiophenediyl]

CAS No. : 2239295-71-5
 Grade : Mw > 10,000 (GPC)
 Formula : (C₆₈H₇₆Cl₂O₂S₈)_n
 PCE : 14%

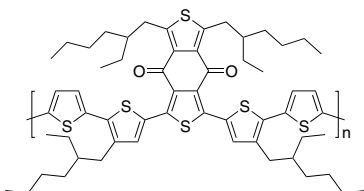


LT-S9459 | PBDD4T

NEW

Poly[[5,7-bis(2-ethylhexyl)-4,8-dioxo-4H,8H-benzo[1,2-c:4,5-c']dithiophene-1,3-diyl][3,3''-bis(2-ethylhexyl)[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl]

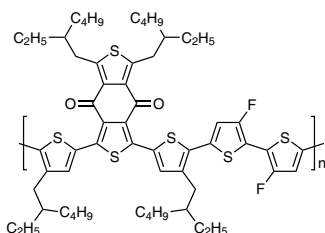
CAS No. : 1439937-09-3
 Grade : Mw > 10,000
 Formula : (C₅₈H₇₄O₂S₆)_n



LT-S9462 | PBDD4T-2F

Poly[[5,7-bis(2-ethylhexyl)-4,8-dioxo-4H,8H-benzo[1,2-c:4,5-c']dithiophene-1,3-diyl][3,3''-bis(2-ethylhexyl)-3',4'-difluoro[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl]

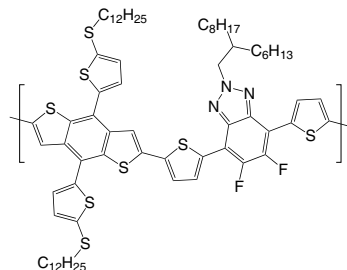
CAS No. : 1890205-85-2
 Grade : Mw > 10,000 (GPC)
 Formula : (C₅₈H₇₂F₂O₂S₆)_n
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9463 | J61

Poly[[5,6-difluoro-2-(2-hexyldecyl)-2H-benzotriazole-4,7-diyl]-2,5-thiophenediyl][4,8-bis[5-(dodecylthio)-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl]

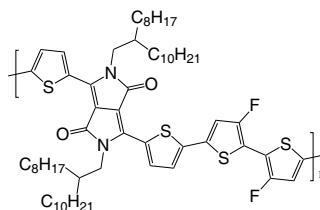
CAS No. : 1887136-03-9
 Grade : Mw = 50,000-150,000 (GPC)
 Formula : (C₇₂H₉₃F₂N₃S₈)_n
 PCE : 11.77%



LT-S9464 | PDPP4T-2F

Poly[[2,5-bis(2-decyltetradecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-3',4'-difluoro[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl]

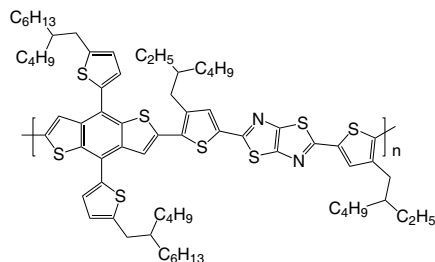
CAS No. : 1926166-46-2
 Grade : Mw = 20,000~200,000 (GPC)
 Formula : (C₇₀H₁₀₄F₂N₂O₂S₄)_n



LT-S9465 | PTZ1

Poly[thiazolo[5,4-d]thiazole-2,5-diyl[4-(2-ethylhexyl)-2,5-thiophenediyl][4,8-bis[5-(2-butyloctyl)-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl][3-(2-ethylhexyl)-2,5-thiophenediyl]

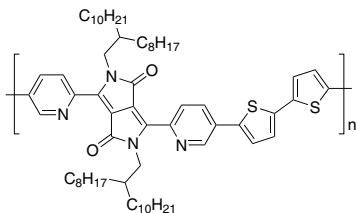
CAS No. : 2091841-68-6
 Grade : Mw = 10,000-50,000 (GPC)
 Formula : (C₇₀H₉₂N₂S₉)_n



LT-S9467 | PDBPyBT **NEW**

Poly(2,5-bis(2-octyldodecyl)-3,6-di(pyridin-2-yl)-pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione-alt-2,2'-bithiophene)

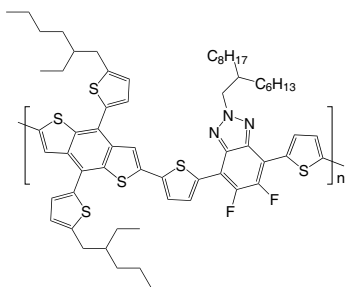
CAS No. : 1455028-36-0
Formula : $(C_{64}H_{92}N_4O_2S_2)_n$
M.W. : Mw > 10,000



LT-S9469 | J52

Poly[[5,6-difluoro-2-(2-hexyldecyl)-2H-benzotriazole-4,7-diyl]-2,5-thiophenediyl[4,8-bis[5-(2-ethylhexyl)-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl]

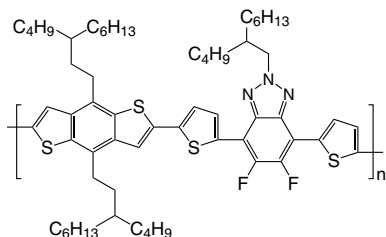
CAS No. : 1887136-01-7
Grade : Mw > 10,000 (GPC)
Formula : $(C_{64}H_{77}F_2N_3S_6)_n$
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9497 | FTAZ

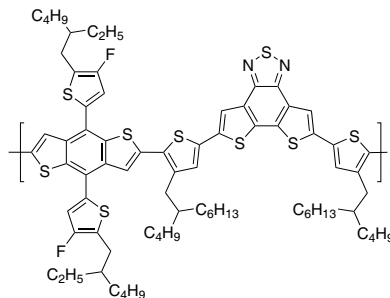
Poly(4,8-bis(3-butylonyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl-alt-5,6-difluoro-2-(2-butyloctyl)-4,7-di(thiophen-2-yl)-2H-benzo[d][1,2,3]triazole-5,5-diyl)

Grade : Mw > 10,000 (GPC)
Formula : $(C_{62}H_{85}F_2N_3S_4)_n$
PCE : 12.1% (with ITIC-Th₁)

LT-S9502 | D18 **NEW**

Poly((4,8-bis(5-(2-ethylhexyl)-4-fluorothiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)-alt-(5,8-(tributyl(4-(2-butyloctyl)thiophen)dithieno-[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole))

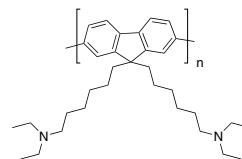
Grade : Mw > 30,000 (GPC)
Formula : $(C_{76}H_{92}F_2N_2S_9)_n$



LT-S9506 | PFN100

Poly[(9,9-bis(6'-(N,N-diethylamino)hexyl)-2,7-fluorene]

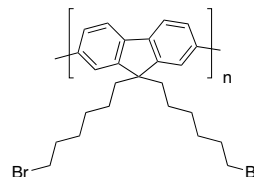
CAS No. : 1305335-08-3
Grade : Mw = 30k~100k(GPC)
Formula : $(C_{33}H_{50}N_2)_n$
HOMO : -5.54 eV
LUMO : -3.58 eV
Mobility : $8.14 \times 10^{-4} \text{ cm}^2/\text{Vs}$



LT-S9509

Poly[(9,9-bis(6-bromohexyl)-2,7-fluorene]

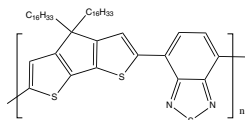
Grade : Mw = 30,000~100,000
Formula : $(C_{25}H_{30}Br_2)_n$



LT-S9537 | CDT-BTZ

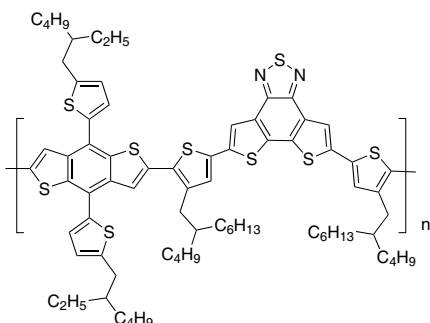
Poly[2,1,3-benzothiadiazole-4,7-diyl(4,4-dihexadecyl-4H-cyclopenta[2,1-*b*:3,4-*b'*]dithiophene-2,6-diyl)]

CAS No. : 1079041-67-0
Grade : Mw > 10000
Formula : (C₄₇H₇₀N₂S₃)_n

**LT-S9585** | JD40

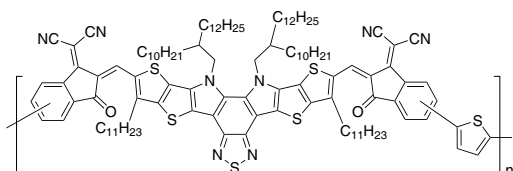
Poly[(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl)-alt-(5,8-[tributyl(4-(2-butyloctyl)thiophen)]dithieno-[3',2':3,4;2'',3'':5,6]benzo[1,2-*c*][1,2,5]thiadiazole)]

Grade : Mw > 30000
Formula : (C₇₆H₉₄N₂S₉)_n
UV : 580 nm(in CHCl₃)
HOMO : -5.28 eV
LUMO : -3.32 eV

**LT-S9590** | PJ1

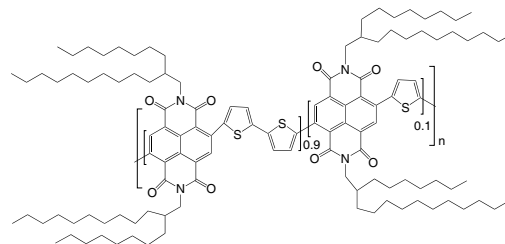
Poly[[12,13-bis(2-decyltetradecyl)-12,13-dihydro-3,9-diundecylbisthieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-*e*:2',3'-*g*][2,1,3]benzothiadiazole-2,10-diyl]methylidyne[1-(dicyanomethylene)-1,3-dihydro-3-oxo-2H-inden-yl-2-ylidene]-2,5-thiophenediyl[1-(dicyanomethylene)-1,3-dihydro-3-oxo-2H-inden-yl-2-ylidene]methylidyne]

CAS No. : 2411023-04-4
Grade : Mw > 10000
Formula : (C₁₁₈H₁₅₄N₈O₂S₆)_n
UV : 765 nm(in CHCl₃)
HOMO : -5.61 eV
LUMO : -3.80 eV

**LT-S9610** | PNDI-T10 (PCE9, high mobility n-type polymer)

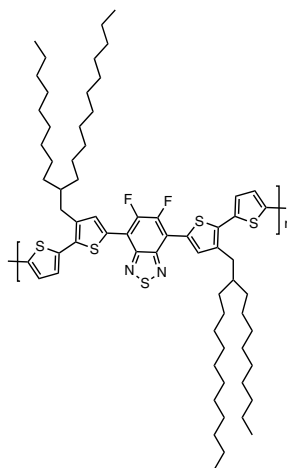
Poly{[([N,N'-bis(2-octyldodecyl),aphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-alt-5,5'-(2,2'-bithiophene))-ran-([N,N'-bis(2-octyldodecyl),aphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-alt-2,5-thiophene)}

CAS No. : 1977539-03-9
Grade : Mw > 100,000
Formula : (C₆₂H₈₈N₂O₄S₂)_{0.9} · (C₅₈H₈₆N₂O₄S)_{0.1}

**LT-S9611** | PffBT4T-C9C13 (PCE12) **NEW**

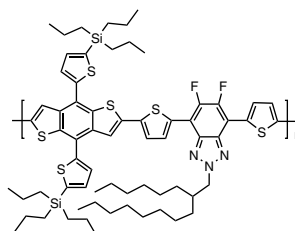
Poly[(5,6-difluoro-2,1,3-benzothiadiazol-4,7-diyl)-alt-(3,3''-di(2-nonyltridecyl)-2,2';5',2'';5''',2''''-quaterthiophen-5,5'''-diyl)]

Grade : Mw > 100,000
Formula : (C₆₆H₉₇F₂N₂S₅)_n

**LT-S9612** | PJ7 **NEW**

Poly{[5,6-difluoro-2-(2-hexyldecyl)-2H-benzotriazole-4,7-diyl]-2,5-thiophenediyl[4,8-bis[5-(tripropylsilyl)-2-thienyl]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl]-2,5-thiophenediyl}

CAS No. : 2035466-89-6
Grade : Mw > 100,000
Formula : (C₆₆H₈₅F₂N₃S₆Si₂)_n

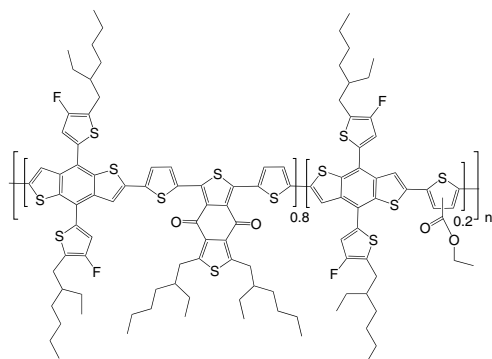


LT-S9613 | PBDB-TF-T1 **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-fluoro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(5,5-(1',3'-di-2-thienyl-5',7'-bis(2-ethylhexyl)benzo[1',2'-c:4',5'-c']dithiophene-4,8-dione))-ran-poly[(2,6-(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(2,2-ethyl-3(or4)-carboxylate-thiophene)]

Grade :Mw >50,000

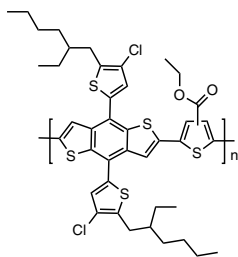
Formula :[(C₆₈H₇₆F₂O₂S₈)0.8(C₄₁H₄₄F₂O₂S₅)0.2]n

LT-S9614 | PCITO2 **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-chloro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(2,2-ethyl-3(or4)-carboxylate-thiophene)]

Grade :Mw >50,000

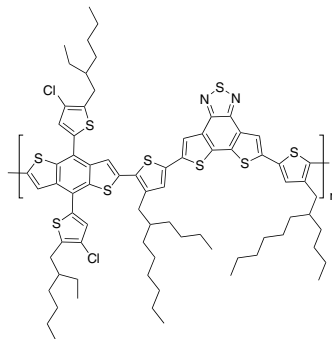
Formula :[(C₄₁H₄₄Cl₂O₂S₅)_n

LT-S9615 | D18-Cl **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-chloro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-5,5'-(5,8-bis(4-(2-butyl)octyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole)]

Grade :Mw >30,000

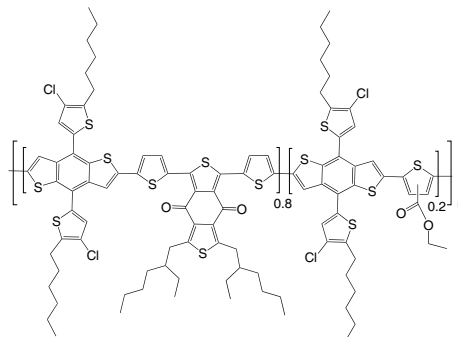
Formula :[(C₇₆H₉₂Cl₂N₂S₇)_n

LT-S9616 | PBDB-TCI-T1 **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-chloro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(5,5-(1',3'-di-2-thienyl-5',7'-bis(2-ethylhexyl)benzo[1',2'-c:4',5'-c']dithiophene-4,8-dione))-ran-poly[(2,6-(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(2,2-ethyl-3(or4)-carboxylate-thiophene)]

Grade :Mw >100,000

Formula :[(C₆₈H₇₆Cl₂O₂S₈)0.8(C₄₁H₄₄F₂O₂S₅)0.2]n

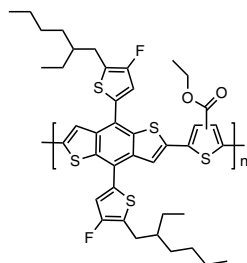


LT-S9617 | PTO2 **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene)-alt-(2,2-ethyl-3(or4)-carboxylate-thiophene)]

Grade : Mw >50,000

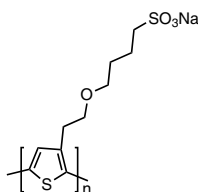
Formula : (C₄₁H₄₄F₂O₂S₅)_n

LT-S9618 | PTEBS Water Soluble Polythiophenes **NEW**

Sodium poly[2-(3-thienyl)-ethoxy-4-butylsulfonate]

Grade : >99%

Formula : (C₁₀H₁₃S₂O₄Na)_n

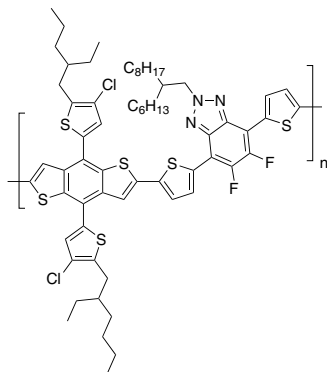
LT-S9709 | J52-Cl **NEW**

Poly[[5,6-difluoro-2-(2-hexyldecyl)-2H-benzotriazole-4,7-diyl]-2,5-thiophenediyl[4,8-bis[5-(2-ethylhexyl)-3-chloro]-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl]

Formula : (C₆₃H₇₃Cl₂F₂N₃S₆)_n

HOMO : -5.38

LUMO : -3.44

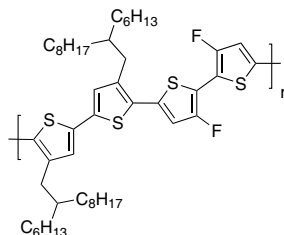
LT-S9710 | P4T2F-HD **NEW**

Poly(3,3'-dihexyldecyl-4'',4'''-difluoro[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl)

Formula : (C₄₈H₇₀F₂S₄)_n

HOMO : -5.35

LUMO : -3.43

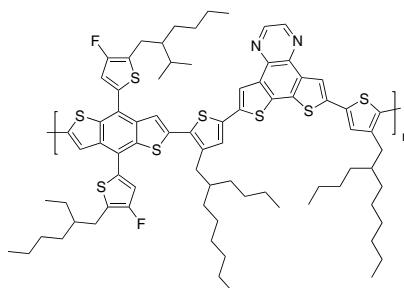
LT-S9711 | PBQx-TF **NEW**

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-fluoro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene)-alt-5,5'-(6,9-bis(4-(2-butyldecyl)thiophen-2-yl)dithieno[3,2-f:2',3'-h]quinoxaline)]

Formula : (C₇₉H₉₆F₂N₂S₈)_n

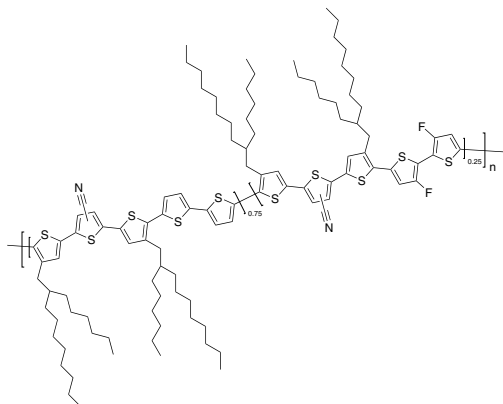
HOMO : -5.41

LUMO : -2.82



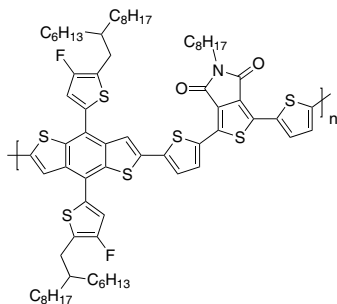
LT-S9728 | P5TCN-F25 **NEW**

Poly[[3,3'-bis(2-hexyldecyl)-3'(4')-cyano[2,2':5',2'':5'',2''':5''',2''''-quinquethiophene]-5,5''''-diyl]-alt-[3,3'-bis(2-hexyldecyl)-3'(4')-cyano-3''',4''''-difluoro[2,2':5',2'':5'',2''':5''',2''''-quinquethiophene]-5,5''''-diyl]]
Grade :Mw >40,000 (GPC)



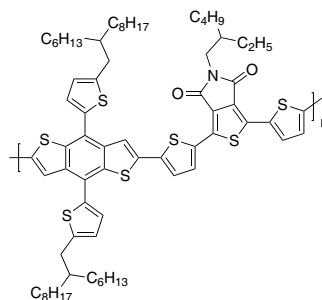
LT-S9743 | TPD-3F **NEW**

CAS No. :2499690-26-3
Formula : $(C_{72}H_{91}F_2NO_2S_7)_n$
M.W. :Mw >30,000
UV :555 nm (in o-xylene, film)
HOMO :-5.64 eV
LUMO :-3.76 eV



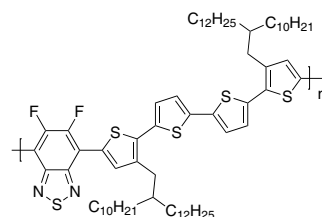
LT-S9744 | PT-7 **NEW**

Grade :Mw >40,000
Formula : $(C_{72}H_{93}NO_2S_7)_n$
UV :558 nm (in o-xylene, film)
HOMO :-5.44 eV
LUMO :-3.56 eV



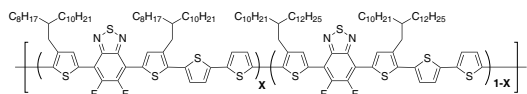
LT-S9745 | PV3006 **NEW**

CAS No. :1430201-61-8
Grade :Mw >40,000
Formula : $(C_{70}H_{104}F_2N_2S_5)_n$
UV :702 nm (in CB)
HOMO :-5.36 eV
LUMO :-3.74 eV
Synonym :FBT-Th₄(1,4)



LT-S9746 | PV5001 **NEW**

CAS No. :2221940-37-8
Formula : $(C_{66}H_{96}F_2N_2S_5)_n$
UV :702 nm (in CB)
Synonym :PffBT₄T-500D



LT-N1021 | 1F-PTAA

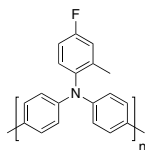
NEW

Poly(bis(4-phenyl)(4-fluoro-2-methylphenyl)amine

Formula : $(C_{19}H_{14}FN)_n$

HOMO :-5.52

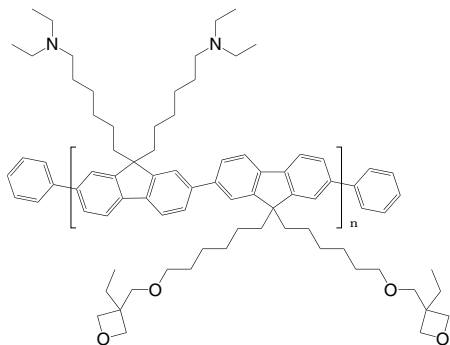
LUMO :-2.55



LT-N177 | PFN-OX

Poly(2,7-[9,9-bis(6'-(N,N-diethylamino)hexyl)fluorene]-*alt*-2,7-[9,9-bis(6-((3-ethyloxetan-3-yl)methoxy)hexyl)fluorene])

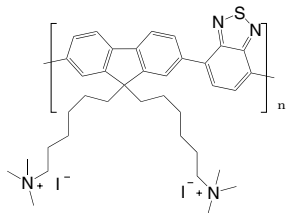
CAS No. : 1345045-27-3
 Formula : $(C_{70}H_{102}N_2O_4)_n C_{12}H_{10}$
 UV : 378 ± 10 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$



LT-N181 | PFNIBT

Poly(9,9-bis(6-trimethyl-ammoniumiodide)-hexylfluorene-2,7-diyl-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl))

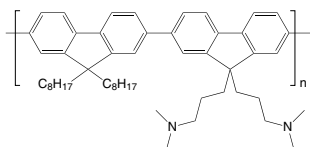
Grade : Mw > 10,000 (GPC)
 Formula : $(C_{35}H_{42}N_4)_n$
 UV : 317, 448 nm (in DMSO)
 Solubility : Soluble in MeOH



LT-N4027 | PFN-DOF

Poly[(9,9-bis(3'-(N,N-dimethylamino)propyl)-2,7-fluorene)-*alt*-2,7-(9,9-dioctylfluorene)]

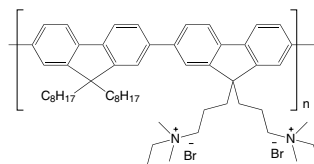
CAS No. : 673474-75-4
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{52}H_{70}N_2)_n$
 UV : 378 nm (in CH_2Cl_2)
 PL : 414 nm (in CH_2Cl_2)
 Solubility : Soluble in CH_2Cl_2 , $CHCl_3$, Toluene



LT-N878 | PFN-Br

Poly[(9,9-bis(3'-(N,N-dimethyl)-N-ethylammonium)-propyl)-2,7-fluorene]-*alt*-2,7-(9,9-dioctylfluorene)]dibromide

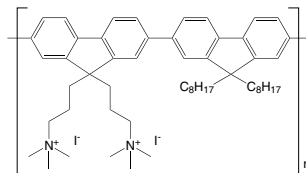
CAS No. : 889672-99-5
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{56}H_{80}N_2Br_2)_n$
 UV : 375 nm (in MeOH)
 PL : 440 nm (in MeOH)
 Solubility : Soluble in MeOH



LT-N8006 | PFN-diiodide salt

Poly[(9,9-bis(3-(trimethylammonium)propyl)-2,7-fluorene)-*alt*-2,7-(9,9-dioctylfluorene)]diiodide

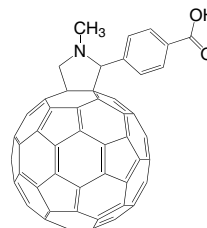
CAS No. : 1687752-60-8
 Grade : Mw = 10,000 ~ 100,000 (GPC)
 Formula : $(C_{56}H_{80}N_2I_2)_n$



LT-S9161 | C60-COOH-SAM

4-(1',5'-Dihydro-1'-methyl-2'-H-[5,6]fullereno-C₆₀-1h-[1,9-c]-pyrrol-2'-yl)benzoic acid

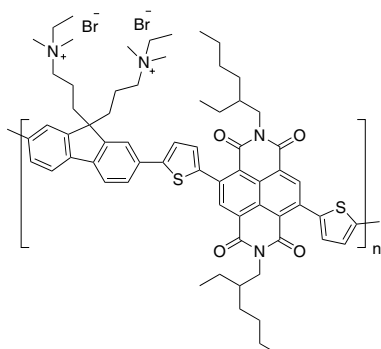
CAS No. : 631918-72-4
 Grade : >99%
 Formula : $C_{70}H_{11}NO_2$
 M.W. : 897.84 g/mole
 UV : 345 nm (in CH_2Cl_2)



LT-S9289 | PNDIT-F3N-Br

Poly[[2,7-bis(2-ethylhexyl)-1,2,3,6,7,8-hexahydro-1,3,6,8-tetraoxobenzo[Imn][3,8]phenanthroline-4,9-diy]-2,5-thiophenediy][9,9-bis[3'((N,N-dimethyl)-N-ethylammonium)propyl]-9H-fluorene-2,7-diy]-2,5-thiophenediy]

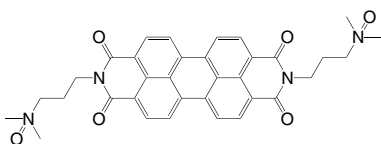
CAS No. : 2169941-79-9
 Grade : Mw > 10,000 (GPC)
 Formula : (C₆₅H₈₀Br₂N₄O₄S₂)_n
 UV : 380, 580 nm (in Methanol)



LT-S9479 | PDINO

2,9-Bis[3-(dimethyloxidoamino)propyl]anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetrone

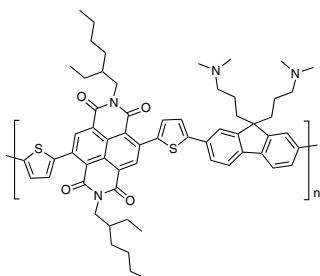
CAS No. : 1558023-86-1
 Grade : >97%
 Formula : C₃₄H₃₂N₄O₆
 M.W. : 592.64 g/mole
 HOMO : -6.21 eV
 LUMO : -3.63 eV



LT-S9490 | PNDIT-F3N NEW

Poly[[2,7-bis(2-ethylhexyl)-1,2,3,6,7,8-hexahydro-1,3,6,8-tetraoxobenzo[Imn][3,8]phenanthroline-4,9-diy]-2,5-thiophenediy][9,9-bis[3'((N,N-dimethyl)-N-ethylamino)propyl]-9H-fluorene-2,7-diy]-2,5-thiophenediy]

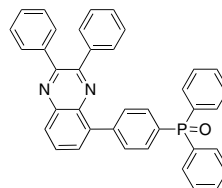
CAS No. : 1800206-46-5
 Grade : M.W > 10,000
 Formula : (C₆₁H₇₀N₄O₄S₂)_n



LT-S9562 | QxTPPO1

(4-(2,3-Diphenylquinoxalin-5-yl)phenyl)diphenylphosphine oxide

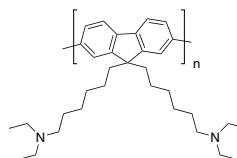
Grade : Sublimed >99%
 Formula : C₃₈H₂₇N₂OP
 M.W. : 558.61 g/mole
 UV : 265 nm (IPA)
 HOMO : -6.22 eV
 LUMO : -3.01 eV



LT-S9506 | PFN100

Poly[(9,9-bis(6'-(N,N-diethylamino)hexyl)-2,7-fluorene]

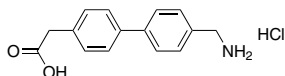
CAS No. : 1305335-08-3
 Grade : Mw = 30k~100k(GPC)
 Formula : (C₃₃H₅₀N₂)_n
 HOMO : -5.54 eV
 LUMO : -3.58 eV
 Mobility : 8.14x10⁻⁴ cm²/Vs



LT-S9647

4'-(Aminomethyl)-[1,1'-biphenyl]-4-acetic acid

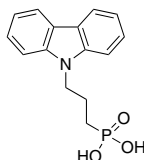
Grade : >99%
 Formula : $C_{15}H_{16}ClNO_2$
 M.W. : 277.75 g/mole



LT-S9648 3PACz

(3-(9H-carbazol-9-yl)propyl)phosphonic acid

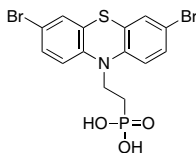
Grade : >99%
 Formula : $C_{15}H_{16}NO_3P$
 M.W. : 289.27 g/mole



LT-S9649 Br-2EPT

(2-(3,7-Dibromo-10H-phenothiazin-10-yl)ethyl)phosphonic acid

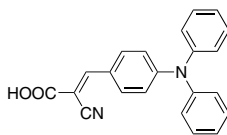
CAS No. : 2826271-17-2
 Grade : >99%
 Formula : $C_{14}H_{12}BrNO_3PS$
 M.W. : 465.10 g/mole
 HOMO : -5.47 eV
 LUMO : -2.12 eV



LT-S9650 LS1

2-Cyano-3-[4-(N-phenylanilino)phenyl]prop-2-enoic acid

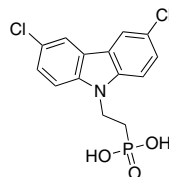
CAS No. : 30388-31-9
 Grade : >99%
 Formula : $C_{22}H_{16}N_2O_2$
 M.W. : 340.37 g/mole



LT-S9673 Cl-2PACz

(2-(3,6-Dichloro-9H-carbazol-9-yl)ethyl)phosphonic acid

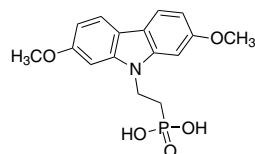
Grade : >98%
 Formula : $C_{14}H_{12}Cl_2NO_3P$
 M.W. : 344.13 g/mole
 HOMO : -6.05 eV
 LUMO : -2.67 eV



LT-S9674 DC-PA

(2-(2,7-Dimethoxy-9H-carbazol-9-yl)ethyl)phosphonic acid

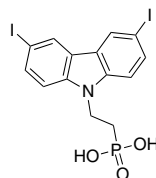
Grade : >98%
 Formula : $C_{16}H_{18}NO_5P$
 M.W. : 335.29 g/mole



LT-S9675 I-2PACz

(2-(3,6-Diiodo-9H-carbazol-9-yl)ethyl)phosphonic acid

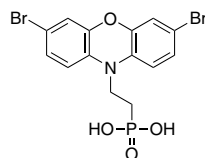
Grade : >98%
 Formula : $C_{14}H_{12}I_2NO_3P$
 M.W. : 527.03 g/mole
 HOMO : -5.98 eV
 LUMO : -2.61 eV



LT-S9676 Br-2EPO

(2-(3,7-Dibromo-10H-phenoxazin-10-yl)ethyl)phosphonic acid

Grade : >98%
 Formula : $C_{14}H_{12}Br_2NO_4P$
 M.W. : 449.03 g/mole
 HOMO : -5.25 eV
 LUMO : -1.81 eV



LT-S9677 | CbzNaph(4-(7H-dibenzo[*c,g*]carbazol-7-yl)butyl)phosphonic acid

CAS No. :2882156-63-8

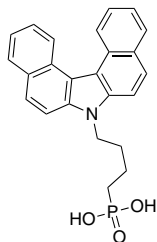
Grade :>98%

Formula :C₂₄H₂₂NO₃P

M.W. :403.41 g/mole

HOMO :-5.35 eV

LUMO :-2.28 eV

**LT-S9678** | 2BrPTZPA

(4-(3,7-dibromo-10H-phenothiazin-10-yl)butyl)phosphonic acid

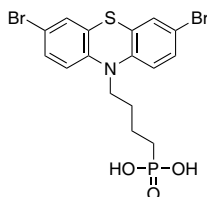
Grade :>98%

Formula :C₁₆H₁₆Br₂NO₃PS

M.W. :493.15 g/mole

HOMO :-5.34 eV

LUMO :-1.16 eV

**LT-S9679** | 2BrPXZPA

(4-(3,7-dibromo-10H-phenoxazin-10-yl)butyl)phosphonic acid

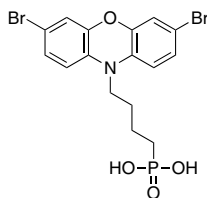
Grade :>98%

Formula :C₁₆H₁₆Br₂NO₄P

M.W. :477.08 g/mole

HOMO :-5.22 eV

LUMO :-1.01 eV

**LT-S9667** | MPA-Ph-CA

(Z)-3-(4'-(Bis(4-methoxyphenyl)amino)-[1,1'-biphenyl]-4-yl)-2-cyanoacrylic acid

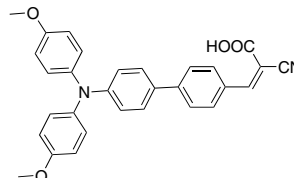
Grade :>99%

Formula :C₃₀H₂₄N₂O₄

M.W. :476.52 g/mole

HOMO :-5.39 eV

LUMO :-2.64 eV

**LT-S9557** | Me-4PACz

(4-(3,6-Dimethyl-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2747959-96-0

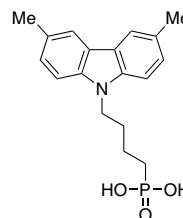
Grade :>99%

Formula :C₁₈H₂₂NO₃P

M.W. :331.35 g/mole

HOMO :-5.74 eV

LUMO :-2.49 eV

**LT-S9566** | 2PACz

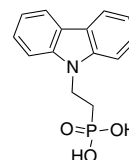
(2-(9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :20999-38-6

Grade :>99%

Formula :C₁₄H₁₄NO₃P

M.W. :275.24 g/mole



LT-S9567 | 4PACz

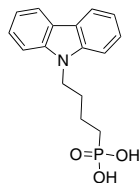
(4-(9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :20999-36-4

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

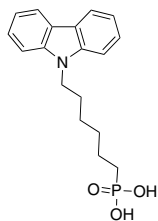
**LT-S9568** | 6PACz

(6-(9H-carbazol-9-yl)hexyl)phosphonic acid

Grade :>99%

Formula :C₁₈H₂₂NO₃P

M.W. :331.35 g/mole

**LT-S9569** | Br-2PACz

(2-(3,6-Dibromo-9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :2762888-11-7

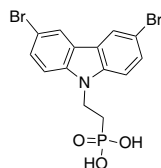
Grade :>98%

Formula :C₁₄H₁₂Br₂NO₃P

M.W. :433.03 g/mole

HOMO :-6.01 eV

LUMO :-2.64 eV

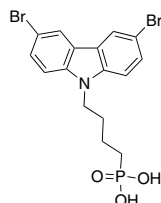
**LT-S9570** | Br-4PACz

(4-(3,6-Dibromo-9H-carbazol-9-yl)butyl)phosphonic acid

Grade :>98%

Formula :C₁₆H₁₆Br₂NO₃P

M.W. :461.08 g/mole

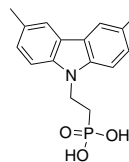
**LT-S9571** | Me-2PACz

(2-(3,6-Dimethyl-9H-carbazol-9-yl)ethyl)phosphonic acid

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

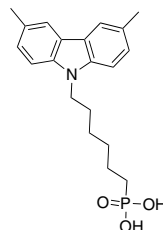
**LT-S9572** | Me-6PACz

(6-(3,6-Dimethyl-9H-carbazol-9-yl)hexyl)phosphonic acid

Grade :>98%

Formula :C₂₀H₂₆NO₃P

M.W. :359.4 g/mole

**LT-S9573** | MeO-2PACz

(2-(3,6-Dimethoxy-9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :2377770-18-6

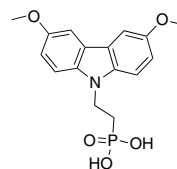
Grade :>98%

Formula :C₁₆H₁₈NO₅P

M.W. :335.29 g/mole

HOMO :-5.3 eV

LUMO :-2.12 eV

**LT-S9574** | MeO-4PACz

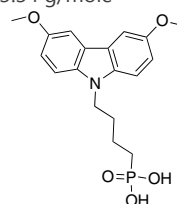
(4-(3,6-Dimethoxy-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2922526-56-3

Grade :>98%

Formula :C₁₈H₂₂NO₅P

M.W. :363.34 g/mole



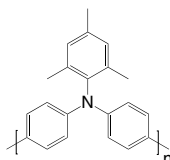
Our products are used for testing and research purpose; they are not guaranteed in patent contention by customer use.

LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No. :133317-99-9

Grade :Mw = 20,000~100,000 (GPC)

Formula : $(C_{21}H_{19}N)_n$ UV :371, 388 nm (in CH_2Cl_2)PL :424 nm (in CH_2Cl_2)Solvent :Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

LT-S9583 | EADR03

4-(3,6-Bis(2,4-dimethoxyphenyl)-9H-carbazol-9-yl)benzoic acid

CAS No. :2918298-65-2

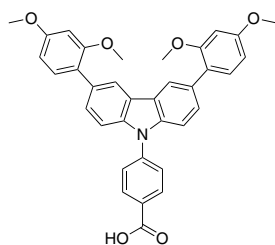
Grade :>99%

Formula : $C_{35}H_{29}NO_6$

M.W. :559.61 g/mole

HOMO :-5.05 eV

LUMO :-1.77 eV



LT-N1021 | 1F-PTAA

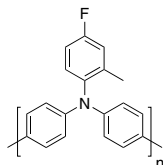
Poly[bis(4-phenyl)(4-fluoro-2-methylphenyl)amine]

Formula : $(C_{19}H_{14}FN)_n$

M.W. :Mw > 20,000

HOMO :-5.52 eV

LUMO :-2.55 eV



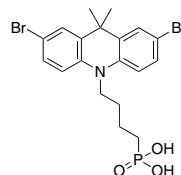
LT-S9747 | DMAcPA

(4-(2,7-Dibromo-9,9-dimethylacridin-10(9H)-yl)butyl) phosphonic acid

Grade :>98%

Formula : $C_{19}H_{22}Br_2NO_3P$

M.W. :503.16 g/mole



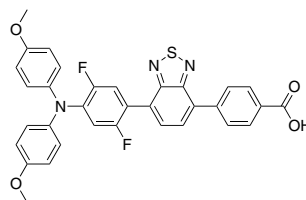
LT-S9748 | MPA2FPh-BT-BA

4-(7-(4-(Bis(4-methoxyphenyl)amino)-2,5-difluorophenyl)benzo[c][1,2,5]thiadiazol-4-yl)benzoic acid

Grade :>98%

Formula : $C_{33}H_{23}F_2N_3O_4S$

M.W. :595.62 g/mole



LT-S9750 | MPA-BT-CA

(E)-3-(7-(4-(Bis(4-methoxyphenyl)amino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl)-2-cyanoacrylic acid

Grade :>98%

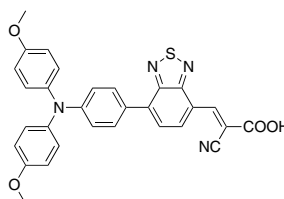
Formula : $C_{30}H_{22}N_4O_4S$

M.W. :534.59 g/mole

UV :514 nm (in THF)

HOMO :-5.29 eV

LUMO :-3.26 eV



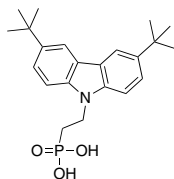
LT-S9755 | tBu-2PACz

(2-(3,6-Di-tert-butyl-9H-carbazol-9-yl)ethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{30}NO_3P$

M.W. : 387.45 g/mole

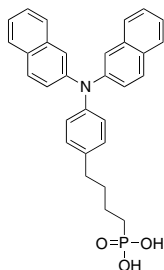
**LT-S9791** |**NEW**

(4-(4-(Di(naphthalen-2-yl)amino)phenyl)butyl)phosphonic acid

Grade : > 98%

Formula : $C_{30}H_{28}NO_3P$

M.W. : 481.52 g/mole

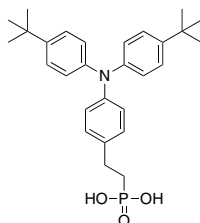
**LT-S9792** |**NEW**

(4-(Bis(4-(tert-butyl)phenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{28}H_{36}NO_3P$

M.W. : 465.56 g/mole

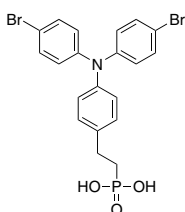
**LT-S9793** |**NEW**

(4-(bis(4-bromophenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{20}H_{18}Br_2NO_3P$

M.W. : 511.14 g/mole

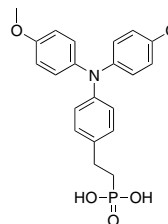
**LT-S9794** |**NEW**

(4-(Bis(4-methoxyphenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{24}NO_5P$

M.W. : 413.4 g/mole

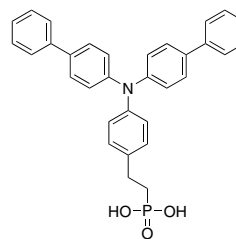
**LT-S9795** |**NEW**

(4-(Di([1,1'-biphenyl]-4-yl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{32}H_{28}NO_3P$

M.W. : 505.54 g/mole

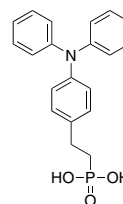
**LT-S9796** |**NEW**

(4-(Diphenylamino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{20}H_{20}NO_3P$

M.W. : 353.35 g/mole

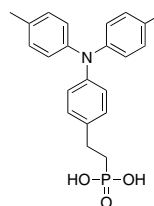
**LT-S9797** |**NEW**

(4-(Di-p-tolylamino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{24}NO_3P$

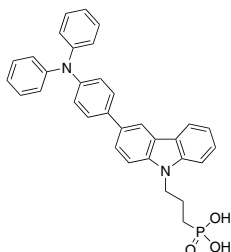
M.W. : 381.4 g/mole



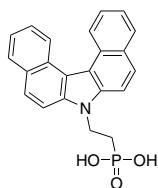
Our products are used for testing and research purpose; they are not guaranteed in patent contention by customer use.

LT-S9798 | 4dp3PACz **NEW**

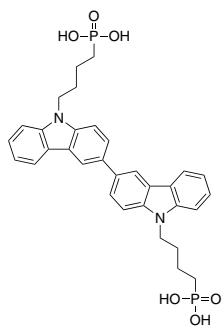
[3-[4-(Diphenylamino)phenyl]-9H-carbazol-9-yl] propylphosphonic acid

Grade :>98%
Formula :C₃₃H₂₉N₂O₃P
M.W. :532.57 g/mole**LT-S9799** | DCB-C2-POOH **NEW**

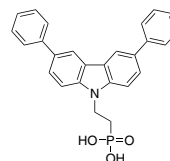
(2-(7H-dibenzo[c,g]carbazol-7-yl)ethyl)phosphonic acid

Grade :>98%
Formula :C₂₂H₁₈NO₃P
M.W. :375.36 g/mole
HOMO :-5.53 eV
LUMO :-2.34 eV**LT-S9800** | DCZ-C4POH **NEW**

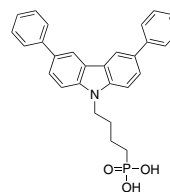
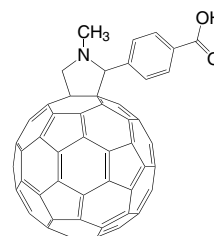
(9H,9'H-[3,3'-bicarbazole]-9,9'-diylbis(butane-4,1-diyl)) diphosphonic acid

Grade :>98%
Formula :C₃₂H₃₄N₂O₆P₂
M.W. :604.57 g/mole**LT-S9801** | Ph-2PACz **NEW**

(2-(3,6-Diphenyl-9H-carbazol-9-yl)ethyl)phosphonic acid

Grade :>98%
Formula :C₂₆H₂₂NO₃P
M.W. :427.43 g/mole**LT-S9802** | Ph-4PACz **NEW**

(4-(3,6-Diphenyl-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2814500-04-2
Grade :>98%
Formula :C₂₈H₂₆NO₃P
M.W. :455.48 g/mole**LT-S9161** | C₆₀-COOH-SAM4-(1',5'-Dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]-pyrrol-2'-yl)benzoic acidCAS No. :631918-72-4
Grade :>99%
Formula :C₇₀H₁₁NO₂
M.W. :897.84 g/mole
UV :345 nm (in CH₂Cl₂)

LT-S9557 | Me-4PACz

(4-(3,6-Dimethyl-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2747959-96-0

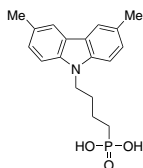
Grade :>99%

Formula :C₁₈H₂₂NO₃P

M.W. :331.35 g/mole

HOMO :-5.74 eV

LUMO :-2.49 eV

**LT-S9566** | 2PACz

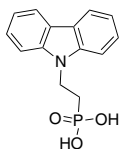
(2-(9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :20999-38-6

Grade :>99%

Formula :C₁₄H₁₄NO₃P

M.W. :275.24 g/mole

**LT-S9567** | 4PACz

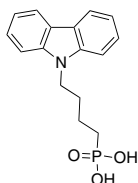
(4-(9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :20999-36-4

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

**LT-S9727** | MPA-CPA

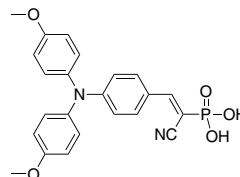
(2-(4-(Bis(4-methoxyphenyl)amino)phenyl)-1-cyanovinyl)phosphonic acid

CAS No. :2212003-31-9

Grade :>98%

Formula :C₂₃H₂₁N₂O₅P

M.W. :436.4 g/mole

**B1361** | MTPA-BA

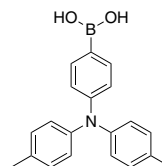
(4-(Di-p-tolylamino)phenyl)boronic acid

CAS No. :654067-65-9

Grade :>97%

Formula :C₂₀H₂₀BNO₂

M.W. :317.2 g/mole

**LT-S9741** | DCB-BPA

(4-(5,9-Dibromo-7H-dibenzo[c,g]carbazol-7-yl)butyl)phosphonic acid

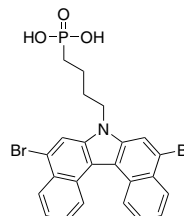
Grade :>98%

Formula :C₂₄H₂₀Br₂NO₃P

M.W. :561.2 g/mole

HOMO :-5.35 eV

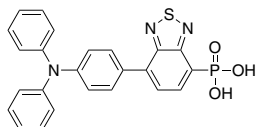
LUMO :-1.62 eV



LT-S9740 | PPA

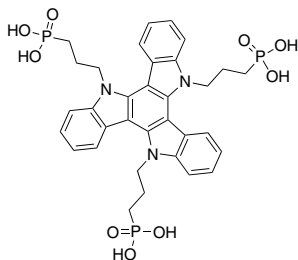
7-(4-(Diphenylamino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl) phosphonic acid

CAS No. :2759856-06-7
 Grade :>98%
 Formula :C₂₄H₁₈N₃O₃P
 M.W. :459.46 g/mole
 HOMO :-5.28 eV
 LUMO :-2.96 eV

**LT-S9737** | 3PATAT-C3

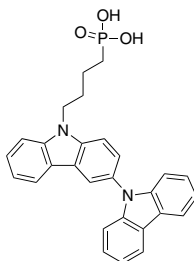
(5H-Diindolo[3,2-a:3',2'-c]carbazole-5,10,15-triyl)tris(propane-3,1-diy)l)triphosphonic acid

Grade :>98%
 Formula :C₃₃H₃₆N₃O₉P₃
 M.W. :711.57 g/mole

**LT-S9738** | 4,3BuPACz

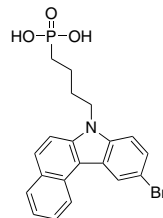
(4-(9H-[3,9'-bicarbazol]-9-yl)butyl)phosphonic acid

Grade :>98%
 Formula :C₂₈H₂₅N₂O₃P
 M.W. :468.48 g/mole

**LT-S9739** | BCBBR-C4PA

(4-(10-Bromo-7H-benzo[c]carbazol-7-yl)butyl)phosphonic acid

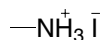
Grade :>98%
 Formula :C₂₀H₁₉BrNO₃P
 M.W. :432.25 g/mole



LT-S9126 | MAI

Methylammonium iodide

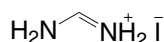
CAS No. : 14965-49-2
 Grade : >99.5% , recrystallized 4 times
 Formula : CH₆IN
 M.W. : 158.97 g/mole



LT-S9136 | FAI

Formamidinium iodide

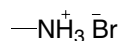
CAS No. : 879643-71-7
 Grade : >99.5% , recrystallized 4 times
 Formula : CH₅IN₂
 M.W. : 171.97 g/mole



LT-S9137 | MABr

Methylammonium bromide

CAS No. : 6876-37-5
 Grade : >99.5% , recrystallized 4 times
 Formula : CH₆BrN
 M.W. : 111.97 g/mole

LT-S9147 | Pbl₂

Lead(II) iodide

CAS No. : 10101-63-0
 Grade : 99.999% (trace metals basis)
 Formula : Pbl₂
 M.W. : 461.01 g/mole

LT-S9148 | PbCl₂

Lead(II) chloride

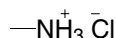
CAS No. : 7758-95-4
 Grade : 99.999% (trace metals basis)
 Formula : PbCl₂
 M.W. : 278.11 g/mole



LT-S9151 | MACl

Methylammonium chloride

CAS No. : 593-51-1
 Grade : >99.5% , recrystallized 4 times
 Formula : CH₆ClN
 M.W. : 67.52 g/mole

LT-S9152 | PbBr₂

Lead(II) bromide

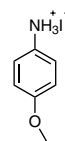
CAS No. : 10031-22-8
 Grade : 99.999% trace metals basis
 Formula : PbBr₂
 M.W. : 367.01 g/mole



LT-S9206 |

4-Methoxyphenylammonium iodide

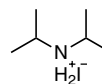
Grade : >99.5% , recrystallized 4 times
 Formula : C₇H₁₀INO
 M.W. : 251.06 g/mole



LT-S9207 |

Diisopropylammonium iodide

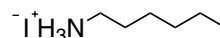
Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₁₆IN
 M.W. : 229.1 g/mole



LT-S9208 |

Hexylammonium iodide

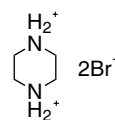
Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₁₆IN+
 M.W. : 229.1 g/mole



LT-S9217 |

Piperazine-1,4-dium bromide

CAS No. : 59813-05-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₄H₁₂Br₂N₂
 M.W. : 247.96 g/mole

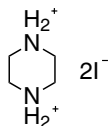


Perovskite Precursor

LT-S9218

Piperazine-1,4-dium iodide

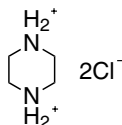
CAS No. : 58464-47-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}N_2$
 M.W. : 341.96 g/mole



LT-S9219

Piperazine-1,4-dium chloride

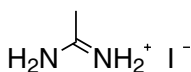
CAS No. : 142-64-3
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}Cl_2N_2$
 M.W. : 159.06 g/mole



LT-S9220

Acetamidinium iodide

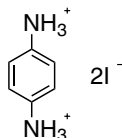
CAS No. : 1452099-14-7
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_2H_7IN_2$
 M.W. : 185.99 g/mole



LT-S9224

1,4-Benzene diammonium iodide

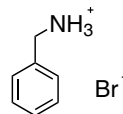
CAS No. : 116469-02-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_6H_{10}N_2$
 M.W. : 363.97 g/mole



LT-S9225

Benzylammonium bromide

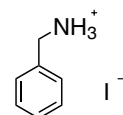
CAS No. : 37488-40-7
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_7H_{10}BrN$
 M.W. : 188.06 g/mole



LT-S9226

Benzylammonium iodide

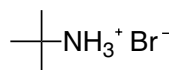
Grade : >99.5% , recrystallized 4 times
 Formula : $C_7H_{10}IN$
 M.W. : 235.07 g/mole



LT-S9227

t-Butylammonium bromide

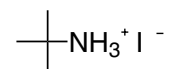
CAS No. : 60469-70-7
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}BrN$
 M.W. : 154.05 g/mole



LT-S9228

t-Butylammonium iodide

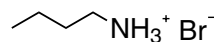
CAS No. : 39557-45-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}IN$
 M.W. : 201.05 g/mole



LT-S9229

n-Butylammonium bromide

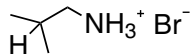
CAS No. : 15567-09-6
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}BrN$
 M.W. : 154.05 g/mole



LT-S9230

iso-Butylammonium bromide

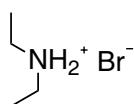
Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}BrN$
 M.W. : 154.05 g/mole



LT-S9231

Diethylammonium bromide

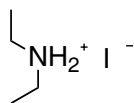
CAS No. : 6274-12-0
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}BrN$
 M.W. : 154.05 g/mole



LT-S9232

Diethylammonium iodide

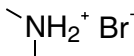
CAS No. : 19833-78-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{12}IN$
 M.W. : 201.05 g/mole



LT-S9233

Dimethylammonium bromide

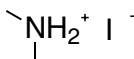
CAS No. : 6912-12-5
 Grade : >99.5% , recrystallized 4 times
 Formula : C_2H_8BrN
 M.W. : 126 g/mole



LT-S9234

Dimethylammonium iodide

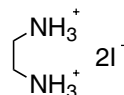
CAS No. : 51066-74-1
 Grade : >99.5% , recrystallized 4 times
 Formula : C_2H_8IN
 M.W. : 173 g/mole



LT-S9235

1,2-Diammoniummethane iodide

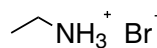
CAS No. : 5700-49-2
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_2H_{10}I_2N_2$
 M.W. : 315.92 g/mole



LT-S9236

Ethylammonium bromide

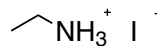
CAS No. : 593-55-5
 Grade : >99.5% , recrystallized 4 times
 Formula : C_2H_6BrN
 M.W. : 125.99 g/mole



LT-S9237

Ethylammonium iodide

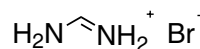
CAS No. : 506-58-1
 Grade : >99.5% , recrystallized 4 times
 Formula : C_2H_8IN
 M.W. : 173 g/mole



LT-S9238 FABr

Formamidinium bromide

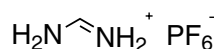
CAS No. : 146958-06-7
 Grade : >99.5% , recrystallized 4 times
 Formula : CH_5BrN_2
 M.W. : 124.97 g/mole



LT-S9239

Formamidinium hexafluorophosphate

Grade : >99.5% , recrystallized 4 times
 Formula : $CH_5F_6N_2P$
 M.W. : 190.03 g/mole

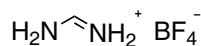


Perovskite Precursor

LT-S9240

Formamidinium tetrafluoroborate

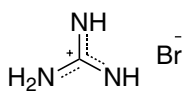
Grade : >99.5%, recrystallized 4 times
 Formula : $\text{CH}_5\text{BF}_4\text{N}_2$
 M.W. : 131.87 g/mole



LT-S9241

Guanidinium bromide

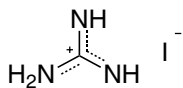
CAS No. : 19244-98-5
 Grade : >99.5%, recrystallized 4 times
 Formula : CH_6BrN_3
 M.W. : 139.98 g/mole



LT-S9242

Guanidinium iodide

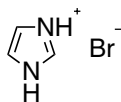
CAS No. : 19227-70-4
 Grade : >99.5%, recrystallized 4 times
 Formula : CH_6IN_3
 M.W. : 186.98 g/mole



LT-S9243

Imidazolium bromide

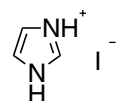
CAS No. : 101023-55-6
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{C}_3\text{H}_5\text{BrN}_2$
 M.W. : 148.99 g/mole



LT-S9244

Imidazolium iodide

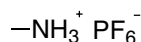
CAS No. : 68007-08-9
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{C}_3\text{H}_5\text{IN}_2$
 M.W. : 195.99 g/mole



LT-S9245

Methylammonium hexafluorophosphate

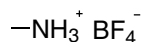
CAS No. : 28302-50-3
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{CH}_6\text{PF}_6\text{N}$
 M.W. : 177.03 g/mole



LT-S9246

Methylammonium tetrafluoroborate

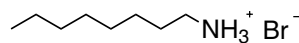
CAS No. : 42539-74-2
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{CH}_6\text{BF}_4\text{N}$
 M.W. : 118.87 g/mole



LT-S9247

n-Octylammonium bromide

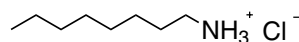
CAS No. : 14846-47-0
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{BrN}$
 M.W. : 210.16 g/mole



LT-S9248

n-Octylammonium chloride

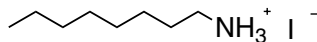
CAS No. : 142-95-0
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{ClN}$
 M.W. : 165.7 g/mole



LT-S9249

n-Octylammonium iodide

CAS No. : 60734-63-6
 Grade : >99.5%, recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{IN}$
 M.W. : 257.16 g/mole

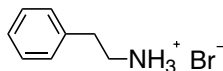


Perovskite Precursor

LT-S9250

Phenethylammonium bromide

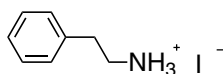
CAS No. : 53916-94-2
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_8H_{12}BrN$
 M.W. : 202.09 g/mole



LT-S9251

Phenethylammonium iodide

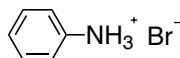
CAS No. : 151059-43-7
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_8H_{12}IN$
 M.W. : 249.09 g/mole



LT-S9252

Phenylammonium bromide

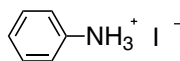
CAS No. : 542-11-0
 Grade : >99.5% , recrystallized 4 times
 Formula : C_6H_8BrN
 M.W. : 174.04 g/mole



LT-S9253

Phenylammonium iodide

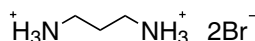
CAS No. : 45497-73-2
 Grade : >99.5% , recrystallized 4 times
 Formula : C_6H_8IN
 M.W. : 221.04 g/mole



LT-S9254

1,3-Diammoniumpropane bromide

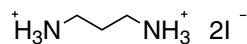
CAS No. : 18773-03-0
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_3H_{12}Br_2N_2$
 M.W. : 235.95 g/mole



LT-S9255

1,3-Diammoniumpropane iodide

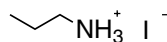
CAS No. : 120675-53-8
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_3H_{12}I_2N_2$
 M.W. : 329.95 g/mole



LT-S9256

n-Propylammonium iodide

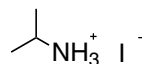
CAS No. : 14488-45-0
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_3H_{10}IN$
 M.W. : 187.02 g/mole



LT-S9257

iso-Propylammonium iodide

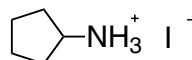
Grade : >99.5% , recrystallized 4 times
 Formula : $C_3H_{10}IN$
 M.W. : 187.02 g/mole



LT-S9258

Pyrrolidinium iodide

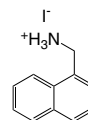
CAS No. : 45361-12-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_4H_{10}IN$
 M.W. : 199.03 g/mole



LT-S9286

1-Naphthylmethylamine iodide

CAS No. : 256222-11-4
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_{11}H_{12}IN$
 M.W. : 285.12 g/mole

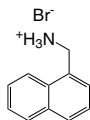


Perovskite Precursor

LT-S9287

1-Naphthylmethylamine bromide

CAS No. : 217309-83-6
 Grade : >99.5% , recrystallized 4 times
 Formula : $C_{11}H_{12}BrN$
 M.W. : 238.12 g/mole



LT-S9300

Butane-1,4-diammonium iodide

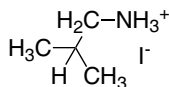
CAS No. : 916849-52-0
 Grade : >99%
 Formula : $C_4H_{14}I_2N_2$
 M.W. : 343.98 g/mole



LT-S9301

iso-Butylammonium iodide

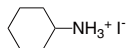
CAS No. : 205508-75-4
 Grade : >99%
 Formula : $C_4H_{12}IN$
 M.W. : 201.05 g/mole



LT-S9302

Cyclohexylammonium iodide

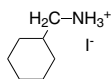
CAS No. : 45492-87-3
 Grade : >99%
 Formula : $C_6H_{14}IN$
 M.W. : 227.09 g/mole



LT-S9303

Cyclohexylmethylammonium iodide

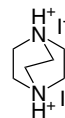
Grade : >99%
 Formula : $C_7H_{16}IN$
 M.W. : 241.11 g/mole



LT-S9304

1,4-Diazabicyclo[2,2,2]octane-1,4-dium iodide

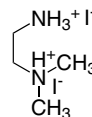
CAS No. : 33322-06-4
 Grade : >99%
 Formula : $C_6H_{14}I_2N_2$
 M.W. : 368 g/mole



LT-S9305

N,N-Dimethyl-1,2-ethanediammonium iodide

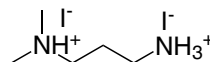
CAS No. : 244234-52-4
 Grade : >99%
 Formula : $C_4H_{14}I_2N_2$
 M.W. : 343.98 g/mole



LT-S9306

N,N-Dimethyl-1,3-propanediammonium iodide

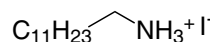
Grade : >99%
 Formula : $C_5H_{16}I_2N_2$
 M.W. : 358 g/mole



LT-S9307

n-Dodecylammonium iodide

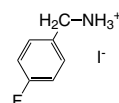
CAS No. : 34099-97-3
 Grade : >99%
 Formula : $C_{12}H_{28}IN$
 M.W. : 313.26 g/mole



LT-S9308

4-Fluoro-benzylammonium iodide

CAS No. : 2097121-30-5
 Grade : >99%
 Formula : C_7H_9FIN
 M.W. : 253.06 g/mole

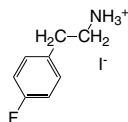


Perovskite Precursor

LT-S9309

4-Fluoro-phenethylammonium iodide

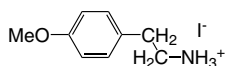
CAS No. : 1413269-55-2
 Grade : >99%
 Formula : $C_8H_{11}FIN$
 M.W. : 267.08 g/mole



LT-S9311

4-Methoxy-phenethylammonium iodide

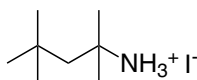
Grade : >99%
 Formula : $C_9H_{14}INO$
 M.W. : 279.12 g/mole



LT-S9312

tert-Octylammonium iodide

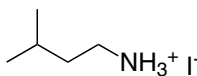
Grade : >99%
 Formula : $C_8H_{20}IN$
 M.W. : 257.16 g/mole



LT-S9313

iso-Pentylammonium iodide

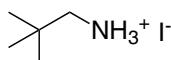
Grade : >99%
 Formula : $C_5H_{14}IN$
 M.W. : 215.06 g/mole



LT-S9314

neo-Pentylammonium iodide

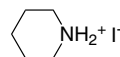
Grade : >99%
 Formula : $C_5H_{14}IN$
 M.W. : 215.08 g/mole



LT-S9315

Piperidinium iodide

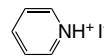
CAS No. : 21701-42-8
 Grade : >99%
 Formula : $C_5H_{12}IN$
 M.W. : 213.06 g/mole



LT-S9316

Pyridinium iodide

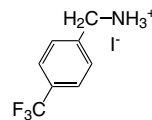
CAS No. : 18820-83-2
 Grade : >99%
 Formula : C_5H_6IN
 M.W. : 207.01 g/mole



LT-S9317

4-Trifluoromethyl-benzylammonium iodide

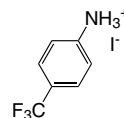
Grade : >99%
 Formula : $C_8H_9F_3IN$
 M.W. : 303.06 g/mole



LT-S9318

4-Trifluoromethyl-phenylammonium iodide

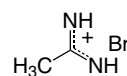
Grade : >99%
 Formula : $C_7H_7F_3IN$
 M.W. : 289.04 g/mole



LT-S9319

Acetamidinium bromide

CAS No. : 1040352-82-6
 Grade : >99%
 Formula : $C_2H_7BrN_2$
 M.W. : 138.99 g/mole

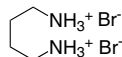


Perovskite Precursor

LT-S9320

Butane-1,4-diammonium bromide

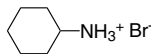
CAS No. : 18773-04-1
 Grade : >99%
 Formula : $C_4H_{14}Br_2N_2$
 M.W. : 249.98 g/mole



LT-S9321

Cyclohexylammonium bromide

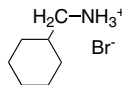
CAS No. : 26227-54-3
 Grade : >99%
 Formula : $C_6H_{14}BrN$
 M.W. : 180.09 g/mole



LT-S9322

Cyclohexylmethylammonium bromide

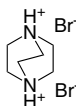
Grade : >99%
 Formula : $C_7H_{16}BrN$
 M.W. : 194.11 g/mole



LT-S9323

1,4-Diazabicyclo[2,2,2]octane-1,4-dium bromide

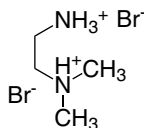
CAS No. : 54581-69-0
 Grade : >99%
 Formula : $C_6H_{14}Br_2N_2$
 M.W. : 274 g/mole



LT-S9324

N,N-Dimethylethane-1,2-ethanediammonium bromide

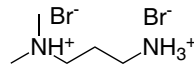
CAS No. : 1245570-04-0
 Grade : >99%
 Formula : $C_4H_{14}Br_2N_2$
 M.W. : 249.98 g/mole



LT-S9325

N,N-Dimethyl-1,3-propanediammonium bromide

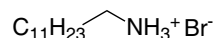
Grade : >99%
 Formula : $C_5H_{16}Br_2N_2$
 M.W. : 264 g/mole



LT-S9326

n-Dodecylammonium bromide

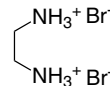
CAS No. : 26204-55-7
 Grade : >99%
 Formula : $C_{12}H_{28}BrN$
 M.W. : 266.26 g/mole



LT-S9327

Ethane-1,2-diammonium bromide

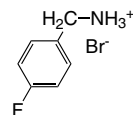
CAS No. : 624-59-9
 Grade : >99%
 Formula : $C_2H_{10}Br_2N_2$
 M.W. : 221.92 g/mole



LT-S9328

4-Fluoro-benzylammonium bromide

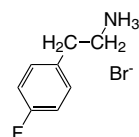
Grade : >99%
 Formula : C_7H_9FBrN
 M.W. : 206.06 g/mole



LT-S9329

4-Fluoro-phenethylammonium bromide

CAS No. : 1807536-06-6
 Grade : >99%
 Formula : $C_8H_{11}BrFN$
 M.W. : 220.08 g/mole

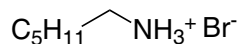


Perovskite Precursor

LT-S9330

n-Hexylammonium bromide

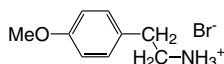
CAS No. : 7334-95-4
 Grade : >99%
 Formula : C₆H₁₆BrN
 M.W. : 182.1 g/mole



LT-S9331

4-Methoxy-phenethylammonium bromide

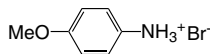
Grade : >99%
 Formula : C₉H₁₄BrNO
 M.W. : 232.12 g/mole



LT-S9332

4-Methoxy-phenylammonium bromide

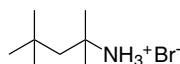
CAS No. : 116436-31-8
 Grade : >99%
 Formula : C₉H₁₄BrNO
 M.W. : 232.12 g/mole



LT-S9333

tert-Octylammonium bromide

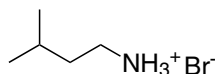
CAS No. : 1093859-61-0
 Grade : >99%
 Formula : C₈H₂₀BrN
 M.W. : 210.16 g/mole



LT-S9334

iso-Pentylammonium bromide

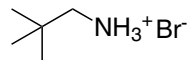
Grade : >99%
 Formula : C₅H₁₄BrN
 M.W. : 168.08 g/mole



LT-S9335

neo-Pentylammonium bromide

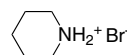
Grade : >99%
 Formula : C₅H₁₄BrN
 M.W. : 168.08 g/mole



LT-S9336

Piperidinium bromide

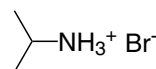
CAS No. : 14066-85-4
 Grade : >99%
 Formula : C₅H₁₂BrN
 M.W. : 166.06 g/mole



LT-S9337

iso-Propylammonium bromide

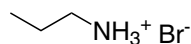
CAS No. : 29552-58-7
 Grade : >99%
 Formula : C₃H₁₀BrN
 M.W. : 140.02 g/mole



LT-S9338

n-Propylammonium bromide

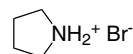
CAS No. : 4905-83-3
 Grade : >99%
 Formula : C₃H₁₀BrN
 M.W. : 140.02 g/mole



LT-S9339

Pyrrolidinium bromide

CAS No. : 55810-80-5
 Grade : >99%
 Formula : C₄H₁₀BrN
 M.W. : 152.03 g/mole



Perovskite Precursor

LT-S9340

Quinuclidin-1-ium bromide

CAS No. : 60662-68-2
 Grade : >99%
 Formula : C₇H₁₄BrN
 M.W. : 192.1 g/mole



LT-S9341

4-Trifluoromethyl-benzylammonium bromide

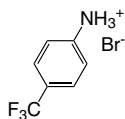
Grade : >99%
 Formula : C₈H₉F₃BrN
 M.W. : 256.06 g/mole



LT-S9342

4-Trifluoromethyl-phenethylammonium bromide

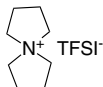
Grade : >99%
 Formula : C₇H₇BrF₃N
 M.W. : 242.03 g/mole



LT-S9343

5-Azaspiro[4.4]nonan-5-ium bis(trifluoromethane)sulfonimide

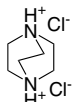
CAS No. : 706759-44-6
 Grade : >99%
 Formula : C₁₀H₁₆F₆N₂O₄S₂
 M.W. : 406.37 g/mole



LT-S9344

1,4-Diazabicyclo[2.2.2]octane-1,4-dium chloride

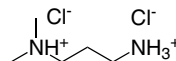
CAS No. : 49563-87-3
 Grade : >99%
 Formula : C₆H₁₄Cl₂N₂
 M.W. : 185.09 g/mole



LT-S9345

N,N-Dimethyl-1,3-propanediammonium chloride

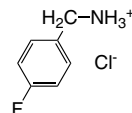
CAS No. : 52198-63-7
 Grade : >99%
 Formula : C₅H₁₆Cl₂N₂
 M.W. : 175.1 g/mole



LT-S9346

4-Fluoro-benzylammonium chloride

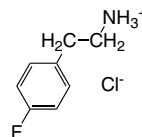
CAS No. : 659-41-6
 Grade : >99%
 Formula : C₇H₉FCIN
 M.W. : 161.6 g/mole



LT-S9347

4-Fluoro-phenethylammonium chloride

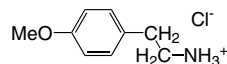
CAS No. : 459-19-8
 Grade : >99%
 Formula : C₈H₁₁ClFN
 M.W. : 175.63 g/mole



LT-S9348

4-Methoxy-phenethylammonium chloride

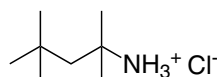
CAS No. : 645-58-9
 Grade : >99%
 Formula : C₉H₁₄ClNO
 M.W. : 187.67 g/mole



LT-S9349

tert-Octylammonium chloride

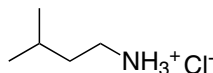
CAS No. : 58618-91-0
 Grade : >99%
 Formula : C₈H₂₀ClN
 M.W. : 165.7 g/mole



LT-S9350

iso-Pentylammonium chloride

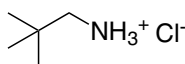
CAS No. : 541-23-1
 Grade : >99%
 Formula : C₅H₁₄ClN
 M.W. : 123.62 g/mole



LT-S9351

neo-Pentylammonium chloride

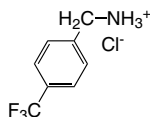
CAS No. : 15925-18-5
 Grade : >99%
 Formula : C₅H₁₄ClN
 M.W. : 123.62 g/mole



LT-S9352

4-Trifluoromethyl-benzylammonium chloride

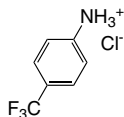
CAS No. : 3047-99-2
 Grade : >99%
 Formula : C₈H₉F₃ClN
 M.W. : 211.61 g/mole



LT-S9353

4-Trifluoromethyl-phenylammonium chloride

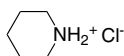
CAS No. : 90774-69-9
 Grade : >99%
 Formula : C₇H₇ClF₃N
 M.W. : 197.59 g/mole



LT-S9354

Piperidinium chloride

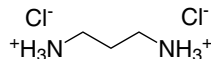
CAS No. : 6091-44-7
 Grade : >99%
 Formula : C₅H₁₂ClN
 M.W. : 121.61 g/mole



LT-S9355

Propane-1,3-diammonium chloride

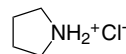
CAS No. : 10517-44-9
 Grade : >99%
 Formula : C₃H₁₂Cl₂N₂
 M.W. : 147.05 g/mole



LT-S9356

Pyrrolidinium chloride

CAS No. : 25150-61-2
 Grade : >99%
 Formula : C₄H₁₀ClN
 M.W. : 107.58 g/mole



LT-S9357

Quinuclidin-1-ium chloride

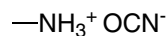
CAS No. : 39896-06-5
 Grade : >99%
 Formula : C₇H₁₄ClN
 M.W. : 147.65 g/mole



LT-S9358

Methylammonium cyanate

CAS No. : 63405-91-4
 Grade : >99%
 Formula : C₂H₆N₂O
 M.W. : 74.08 g/mole



LT-S9359

5-Azaspiro[4.4]nonan-5-ium tetrafluoroborate

CAS No. : 129211-47-8
 Grade : >99%
 Formula : C₈H₁₆BF₄N
 M.W. : 213.02 g/mole

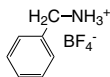


Perovskite Precursor

LT-S9360

Benzylammonium tetrafluoroborate

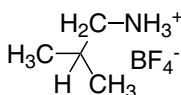
CAS No. : 41579-49-1
 Grade : >99%
 Formula : $C_7H_{10}BF_4N$
 M.W. : 194.97 g/mole



LT-S9361

iso-Butylammonium tetrafluoroborate

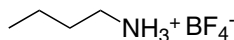
CAS No. : 71852-72-7
 Grade : >99%
 Formula : $C_4H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9362

n-Butylammonium tetrafluoroborate

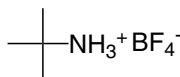
CAS No. : 71852-73-8
 Grade : >99%
 Formula : $C_4H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9363

t-Butylammonium tetrafluoroborate

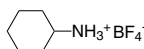
CAS No. : 24418-92-6
 Grade : >99%
 Formula : $C_4H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9364

Cyclohexylammonium tetrafluoroborate

CAS No. : 71893-43-1
 Grade : >99%
 Formula : $C_6H_{14}BF_4N$
 M.W. : 186.99 g/mole



LT-S9365

1,4-Diazabicyclo[2,2,2]octane-1,4-dium tetrafluoroborate

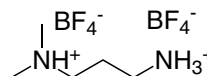
Grade : >99%
 Formula : $C_6H_{14}B_2F_8N_2$
 M.W. : 287.8 g/mole



LT-S9366

N,N-Dimethyl-1,3-propanediammonium tetrafluoroborate

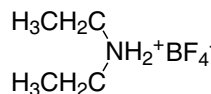
Grade : >99%
 Formula : $C_5H_{16}B_2F_8N_2$
 M.W. : 277.8 g/mole



LT-S9367

Diethylammonium tetrafluoroborate

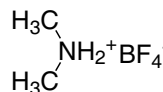
CAS No. : 17085-33-5
 Grade : >99%
 Formula : $C_4H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9368

Dimethylammonium tetrafluoroborate

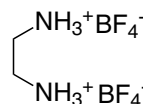
CAS No. : 16970-97-1
 Grade : >99%
 Formula : $C_2H_8BF_4N$
 M.W. : 132.9 g/mole



LT-S9369

Ethane-1,2-diammonium tetrafluoroborate

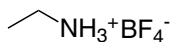
Grade : >99%
 Formula : $C_2H_{10}B_2F_8N_2$
 M.W. : 235.72 g/mole



LT-S9370

Ethylammonium tetrafluoroborate

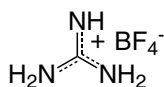
CAS No. : 12070-78-9
 Grade : >99%
 Formula : $C_2H_8BF_4N$
 M.W. : 132.9 g/mole



LT-S9371

Guanidinium tetrafluoroborate

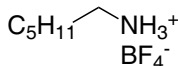
CAS No. : 36595-00-3
 Grade : >99%
 Formula : $CH_6BF_4N_3$
 M.W. : 146.88 g/mole



LT-S9372

n-Hexylammonium tetrafluoroborate

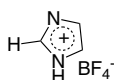
CAS No. : 41579-47-9
 Grade : >99%
 Formula : $C_6H_{16}BF_4N$
 M.W. : 378.01 g/mole



LT-S9373

Imidazolium tetrafluoroborate

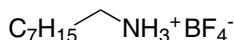
CAS No. : 112725-76-5
 Grade : >99%
 Formula : $C_3H_5BF_4N_2$
 M.W. : 155.89 g/mole



LT-S9374

n-Octylammonium tetrafluoroborate

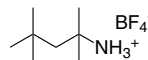
CAS No. : 790269-39-5
 Grade : >99%
 Formula : $C_8H_{20}BF_4N$
 M.W. : 217.06 g/mole



LT-S9375

tert-Octylammonium tetrafluoroborate

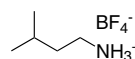
Grade : >99%
 Formula : $C_8H_{20}BF_4N$
 M.W. : 217.06 g/mole



LT-S9376

iso-Pentylammonium tetrafluoroborate

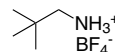
CAS No. : 150178-33-9
 Grade : >99%
 Formula : $C_5H_{14}BF_4N$
 M.W. : 174.97 g/mole



LT-S9377

neo-Pentylammonium tetrafluoroborate

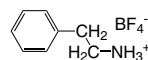
Grade : >99%
 Formula : $C_5H_{14}BF_4N$
 M.W. : 174.98 g/mole



LT-S9378

Phenethylammonium tetrafluoroborate

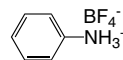
Grade : >99%
 Formula : $C_8H_{12}BF_4N$
 M.W. : 208.99 g/mole



LT-S9379

Phenylammonium tetrafluoroborate

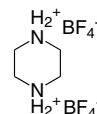
CAS No. : 3796-29-0
 Grade : >99%
 Formula : $C_6H_8BF_4N$
 M.W. : 180.94 g/mole



LT-S9380

Piperazine-1,4-dium tetrafluoroborate

Grade : >99%
 Formula : $C_4H_{12}B_2F_8N_2$
 M.W. : 261.76 g/mole



Perovskite Precursor

LT-S9381

Piperidinium tetrafluoroborate

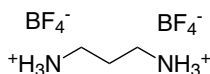
CAS No. : 20935-77-7
 Grade : >99%
 Formula : $C_5H_{12}BF_4N$
 M.W. : 172.96 g/mole



LT-S9382

Propane-1,3-diammonium tetrafluoroborate

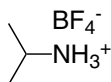
Grade : >99%
 Formula : $C_3H_{12}B_2F_8N_2$
 M.W. : 249.75 g/mole



LT-S9383

iso-Propylammonium tetrafluoroborate

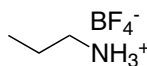
CAS No. : 71852-74-9
 Grade : >99%
 Formula : $C_3H_{10}BF_4N$
 M.W. : 146.92 g/mole



LT-S9384

n-Propylammonium tetrafluoroborate

CAS No. : 71852-75-0
 Grade : >99%
 Formula : $C_3H_{10}BF_4N$
 M.W. : 146.92 g/mole



LT-S9385

Pyridinium tetrafluoroborate

CAS No. : 505-07-7
 Grade : >99%
 Formula : $C_5H_6BF_4N$
 M.W. : 166.91 g/mole



LT-S9386

Pyrrolidinium tetrafluoroborate

CAS No. : 95647-26-0
 Grade : >99%
 Formula : $C_4H_{10}BF_4N$
 M.W. : 158.93 g/mole



LT-S9387

Quinuclidin-1-ium tetrafluoroborate

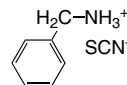
CAS No. : 936025-25-1
 Grade : >99%
 Formula : $C_7H_{14}BF_4N$
 M.W. : 199 g/mole



LT-S9388

Benzylammonium thiocyanate

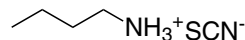
CAS No. : 51571-89-2
 Grade : >99%
 Formula : $C_8H_{10}N_2S$
 M.W. : 166.24 g/mole



LT-S9389

n-Butylammonium thiocyanate

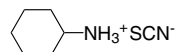
CAS No. : 25162-84-9
 Grade : >99%
 Formula : $C_5H_{12}N_2S$
 M.W. : 132.23 g/mole



LT-S9390

Cyclohexylammonium thiocyanate

CAS No. : 96943-17-8
 Grade : >99%
 Formula : $C_7H_{14}N_2S$
 M.W. : 158.26 g/mole

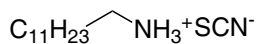


Perovskite Precursor

LT-S9391

n-Dodecylammonium thiocyanate

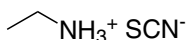
CAS No. : 22031-31-8
 Grade : >99%
 Formula : $C_{13}H_{28}N_2S$
 M.W. : 244.44 g/mole



LT-S9392

Ethylammonium thiocyanate

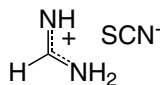
CAS No. : 25153-19-9
 Grade : >99%
 Formula : $C_3H_8N_2S$
 M.W. : 104.17 g/mole



LT-S9393

Formamidinium thiocyanate

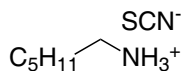
CAS No. : 1821033-48-0
 Grade : >99%
 Formula : CH_5N_3S
 M.W. : 103.15 g/mole



LT-S9394

n-Hexylammonium thiocyanate

CAS No. : 25162-85-0
 Grade : >99%
 Formula : $C_7H_{16}N_2S$
 M.W. : 160.28 g/mole



LT-S9395

Methylammonium thiocyanate

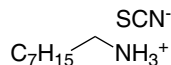
CAS No. : 61540-63-4
 Grade : >99%
 Formula : $C_2H_6N_2S$
 M.W. : 90.15 g/mole



LT-S9396

n-Octylammonium thiocyanate

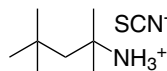
CAS No. : 25162-86-1
 Grade : >99%
 Formula : $C_9H_{20}N_2S$
 M.W. : 188.33 g/mole



LT-S9397

tert-Octylammonium thiocyanate

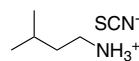
CAS No. : 41115-58-6
 Grade : >99%
 Formula : $C_9H_{20}N_2S$
 M.W. : 188.33 g/mole



LT-S9398

iso-Pentylammonium thiocyanate

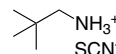
Grade : >99%
 Formula : $C_6H_{14}N_2S$
 M.W. : 146.25 g/mole



LT-S9399

neo-Pentylammonium thiocyanate

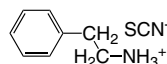
CAS No. : 61540-71-4
 Grade : >99%
 Formula : $C_6H_{14}N_2S$
 M.W. : 146.25 g/mole



LT-S9400

Phenethylammonium thiocyanate

CAS No. : 2656409-76-4
 Grade : >99%
 Formula : $C_9H_{12}N_2S$
 M.W. : 180.27 g/mole

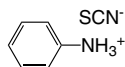


Perovskite Precursor

LT-S9401

Phenylammonium thiocyanate

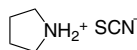
CAS No. : 27248-14-2
 Grade : >99%
 Formula : C₇H₈N₂S
 M.W. : 152.22 g/mole



LT-S9402

Pyrrolidinium thiocyanate

CAS No. : 217309-80-3
 Grade : >99%
 Formula : C₅H₁₀N₂S
 M.W. : 130.21 g/mole



LT-S9403

5-Azaspiro[4.4]nonan-5-ium hexafluorophosphate

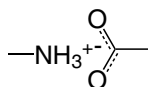
CAS No. : 129211-50-3
 Grade : >99%
 Formula : C₈H₁₆F₆NP
 M.W. : 271.18 g/mole



LT-S9404

Methylammonium acetate

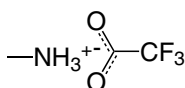
CAS No. : 6998-30-7
 Grade : >99%
 Formula : C₃H₉NO₂
 M.W. : 91.11 g/mole



LT-S9405

Methylammonium trifluoroacetate

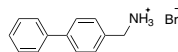
CAS No. : 107326-29-4
 Grade : >99%
 Formula : C₃H₇F₃NO₂
 M.W. : 146.09 g/mole



LT-S9510

4-Phenylbenzylammonium bromide

Grade : >99%
 Formula : C₁₃H₁₄BrN
 M.W. : 264.16 g/mole

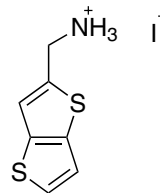


NEW

LT-S9588 TTMAl

Thieno[3,2-b]thiophen-2-ylmethanaminium iodide

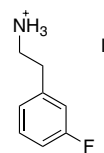
Grade : > 99.5%
 Formula : C₇H₈INS₂
 M.W. : 297.18 g/mole



LT-S9680

3-Fluoro-phenethylammonium iodid

CAS No. : 2810129-43-0
 Grade : >99%
 Formula : C₈H₁₁FIN
 M.W. : 267.08 g/mole



NEW

LT-S9690

Cesium bromide

CAS No. : 7787-69-1
 Grade : 99.9% trace metals basis
 Formula : CsBr
 M.W. : 212.81 g/mole



NEW

Perovskite Precursor

LT-S9691

NEW

Cesium chloride

CAS No. :7647-17-8
 Grade :99.9% trace metals basis
 Formula :CsCl
 M.W. :168.36 g/mole



LT-S9692

NEW

Cesium iodide

CAS No. :7789-17-5
 Grade :99.9% trace metals basis
 Formula :CsI
 M.W. :259.81 g/mole



LT-S9693

NEW

Copper(II) chloride dihydrate

CAS No. :10125-13-0
 Grade :>99%
 Formula :CuCl₂ · 2H₂O
 M.W. :170.48 g/mole



LT-S9694

NEW

Tin(II) bromide

CAS No. :10031-24-0
 Grade :>99%
 Formula :SnBr₂
 M.W. :278.52 g/mole



LT-S9695

NEW

Tin(II) chloride

CAS No. :7772-99-8
 Grade :>99%
 Formula :SnCl₂
 M.W. :189.62 g/mole



LT-S9696

NEW

Tin(II) iodide

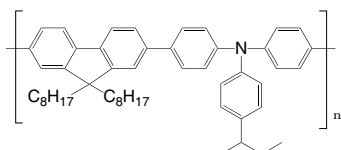
CAS No. :10294-70-9
 Grade :>99%
 Formula :SnI₂
 M.W. :372.52 g/mole



LT-N148 | TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*co*-(4,4'-(*N*-(4-*sec*-butylphenyl)diphenylamine)]

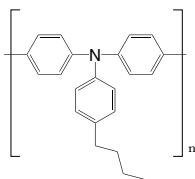
CAS No. : 220797-16-0
 Grade : Mw >30,000 (GPC)
 Formula : (C₅₁H₆₁N)_n
 UV : 389 nm (in CH₂Cl₂)
 PL : 443 nm (in CH₂Cl₂)
 Solubility : Soluble in CH₂Cl₂, Toluene, CHCl₃



LT-N149 | Poly-TPD

Poly[*N,N'*-bis(4-butylphenyl)-*N,N'*-bis(phenyl)-benzidine]

CAS No. : 472960-35-3
 Grade : Mw = 20,000~200,000 (GPC)
 Formula : (C₂₂H₂₁N)_n
 UV : 371, 388 nm (in CH₂Cl₂)
 PL : 424 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene

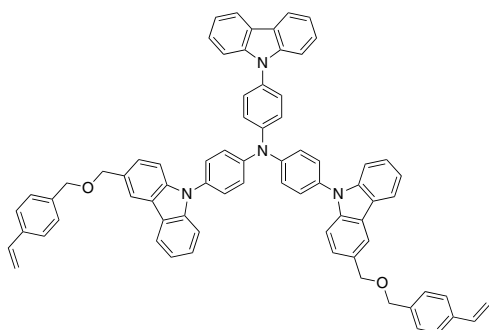


LT-N1013 | VB-TCTA

NEW

N-(4-(9H-carbazol-9-yl)phenyl)-4-(3-(((4-vinylbenzyl)oxy)methyl)-9H-carbazol-9-yl)-*N*-(4-(3-(((4-vinylbenzyl)oxy)methyl)-9H-carbazol-9-yl)phenyl)aniline

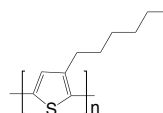
CAS No. : 931398-01-5
 Grade : >98%
 Formula : C₇₄H₅₆N₄O₂
 M.W. : 1033.26 g/mole
 HOMO : -5.2 eV
 LUMO : -1.9 eV



LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

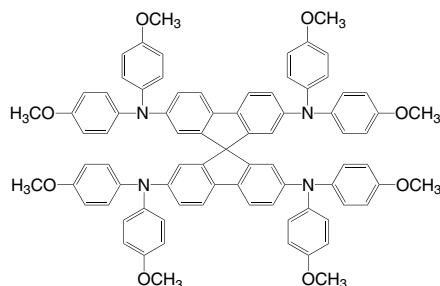
CAS No. : 110134-47-9 / 104934-50-1
 Grade : Mw >45,000 (GPC) Electronic
 Grade : Regio Regular >93%
 Formula : (C₁₀H₁₄S)_n
 UV : 445 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S922 | Spiro-MeOTAD

2,2',7,7'-Tetrakis(*N,N*-di-*p*-methoxyphenylamino)-9,9'-spirobifluorene

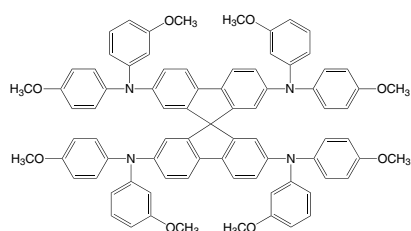
CAS No. : 207739-72-8
 Grade : >99.5% (HPLC)
 Formula : C₈₁H₆₈N₄O₈
 M.W. : 1225.43 g/mole
 UV : 306, 385 nm (in CH₂Cl₂)
 PL : 429 nm (in CH₂Cl₂)
 TGA : >360 °C (0.5% weight loss)



LT-S9145 | p,m-Spiro-MeOTAD

N,N',N'',N'''-Tetrakis(3-methoxyphenyl)-*N,N',N'',N'''*-tetrakis(4-methoxyphenyl)-9,9'-spirobifluorene]-2,2',7,7'-tetraamine

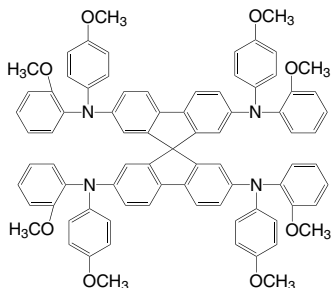
CAS No. : 1573202-44-4
 Grade : >99% (HPLC)
 Formula : C₈₁H₆₈N₄O₈
 M.W. : 1225.43 g/mole
 UV : 308, 378 nm (in CH₂Cl₂)
 PL : 414 nm (in CH₂Cl₂)
 TGA : >280 °C (0.5% weight loss)



LT-S9146 | p,o-Spiro-MeOTAD

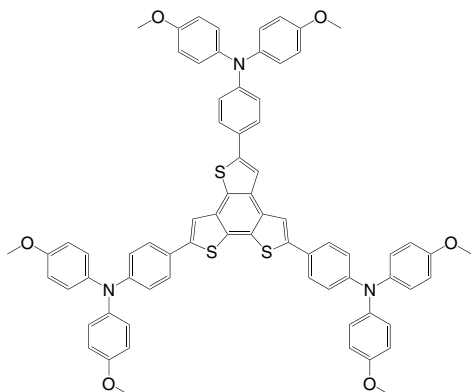
*N*²,*N*²,*N*⁷,*N*⁷-Tetrakis(2-methoxyphenyl)-*N*²,*N*²,*N*⁷,*N*⁷-tetrakis(4-methoxyphenyl)-9,9'-spirobifluorene]-2,2',7,7'-tetraamine

CAS No.	: 1628961-22-7
Grade	: >98.5% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 316, 375 nm (in CH ₂ Cl ₂)
PL	: 418 nm (in CH ₂ Cl ₂)
TGA	: >280 °C (0.5% weight loss)

**LT-S9276** | BTT-4

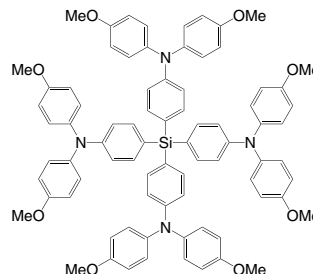
2,5,8-Tris(4-(bis(4-methoxyphenyl)amino)phenyl)benzotrithiophene

CAS No.	: 1908506-93-3
Formula	: C ₇₂ H ₅₇ N ₃ O ₆ S ₃
M.W.	: 1156.43 g/mole

**LT-S9290** | Si-OMeTPA

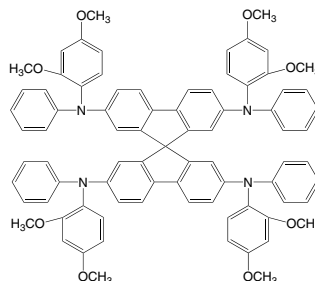
4,4',4'',4'''-Silane-tetrayl-tetrakis(N,N-bis(4-methoxyphenyl)aniline)

Grade	: >99% (HPLC)
Formula	: C ₈₀ H ₇₂ N ₄ O ₈ Si
M.W.	: 1245.54 g/mole
HOMO	: -5.39 eV
LUMO	: -1.96 eV

**LT-S9437** | 2,4-spiro-OMeTAD

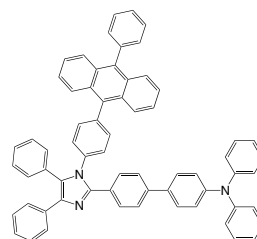
*N*²,*N*²,*N*⁷,*N*⁷-Tetrakis(2,4-dimethoxyphenyl)-*N*²,*N*²,*N*⁷,*N*⁷-tetraphenyl-9,9'-spirobifluorene]-2,2',7,7'-tetraamine

CAS No.	: 2102348-92-3
Grade	: >99% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
HOMO	: -5.24 eV
LUMO	: -2.08 eV

**LT-S9446** | PTN

N,N-Diphenyl-[1,1'-biphenyl]-4-amine-4'-[4,5-diphenyl-1-[4-(10-phenyl-9-anthracenyl)phenyl]-1*H*-imidazol-2-yl]

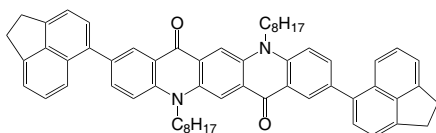
CAS No.	: 2252254-01-4
Grade	: Sublimed >99%
Formula	: C ₆₅ H ₄₅ N ₃
M.W.	: 868.07 g/mole
PCE	: 11.13 %



LT-S9484 | ACE-QA-ACE

2,9-Bis(1,2-dihydroacenaphthylen-5-yl)-5,12-dioctyl-5,12-dihydroquinolino[2,3-b]acridine-7,14-dione

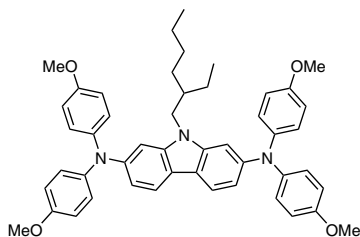
Grade	: >99% (HPLC)
Formula	: C ₆₀ H ₆₀ N ₂ O ₂
M.W.	: 841.13 g/mole
UV	: 301 nm (in CHCl ₃)
PL	: 558 nm
HOMO	: -5.59 eV
LUMO	: -3.47 eV



LT-S9555 | EH-44

9-(2-Ethylhexyl)-N²,N²,N⁷,N⁷-tetrakis(4-methoxyphenyl)-9H-carbazole-2,7-diamine hydrochloride salt

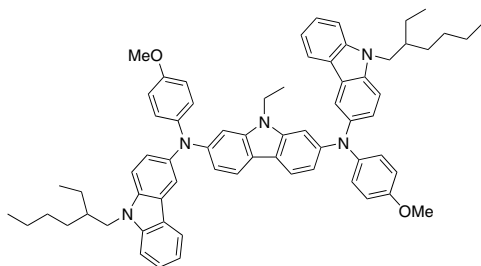
Grade	: >99%
Formula	: C ₄₈ H ₅₁ N ₃ O ₄
M.W.	: 733.94 g/mole



LT-S9556 | EtCz-3EHCz

9-Ethyl-N²,N⁷-bis(9-(2-ethylhexyl)-9H-carbazol-3-yl)-N²,N⁷-bis(4-methoxyphenyl)-9H-carbazole-2,7-diamine hydrochloride salt

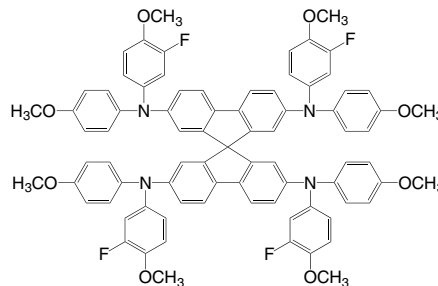
Grade	: >99%
Formula	: C ₆₈ H ₇₃ N ₅ O ₂
M.W.	: 992.34 g/mole



LT-S9564 | Spiro-mF

N²,N²,N⁷,N⁷-Tetrakis(3-fluoro-4-methoxyphenyl)-N²,N²,N⁷,N⁷-tetrakis(4-methoxyphenyl)-9,9'-spiro[fluorene]-2,2',7,7'-tetraamine

CAS No.	: 2644017-35-4
Grade	: >99%
Formula	: C ₈₁ H ₆₄ F ₄ N ₄ O ₈
M.W.	: 1297.39 g/mole
HOMO	: -5.19 eV
LUMO	: -2.23 eV



LT-PS001 | PEDOT:PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification

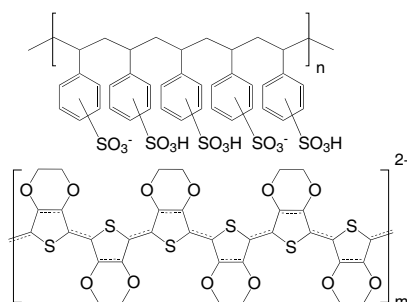
CAS No.	: 155090-83-8
Description	: Aqueous dispersion, blue liquid.
Sodium	: Max. 400 ppm
Sulfate	: Max. 40 ppm
Solid content	: 1.3 - 1.7 wt%
PSD d50	: 80 nm
PSD d90	: 100 nm
Resistivity	: 500-5000 Ωcm
Viscosity	: 5-12 mPas

Technical Data (guide values, not a specification)

Form	: liquid
Odour	: odourless
Colour	: dark blue
PEDOT:PSS ratio	: 1:6 (by weight)
PEDOT work function	: approx 5.2 eV
pH	: 1.2 - 2.2 at 20°C
Boiling Point	: approx 100°C

Storage:

The product is sensitive to frost and should therefore not be stored at temperatures below 5°C. Avoid freezing!

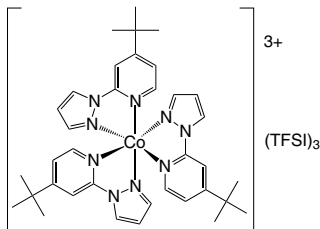


Hole Transport Dopant

LT-S9127 | FK209 Co(III) TFSI Salt

Tris(2-(1*H*-pyrazol-1-yl)-4-*tert*-butylpyridine)-cobalt(III)
tris(bis(trifluoromethylsulfonyl)imide)

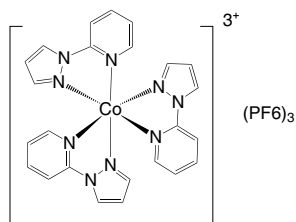
CAS No. : 1447938-61-5
Grade : >99% (NMR)
Formula : $C_{42}H_{45}CoF_{18}N_{12}O_{12}S_6$
M.W. : 1503.18 g/mole
UV : 227, 287 nm (in Acetonitrile)



LT-S9135 | FK102 Co(III) PF6 Salt

Tris(1-(pyridin-2-yl)-1*H*-pyrazol)cobalt(III)
tris(hexafluorophosphate)

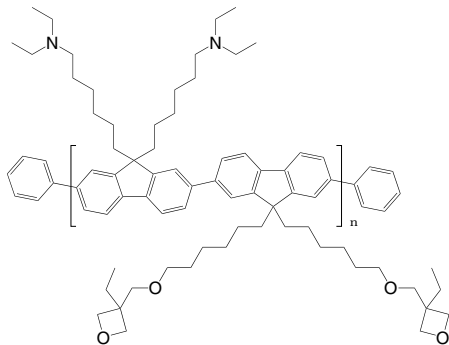
CAS No. : 1346416-70-3
Grade : >99% (NMR)
Formula : $C_{24}H_{21}CoF_{18}N_9P_3$
UV : 929.31 g/mole
PL : 215, 292 nm (in Acetonitrile)



LT-N177 | PFN-OX

Poly(2,7-[9,9-bis(6'-(N,N-diethylamino)hexyl)fluorene]-*alt*-2,7-[9,9-bis(6-((3-ethyloxetan-3-yl)methoxy)hexyl)fluorene])

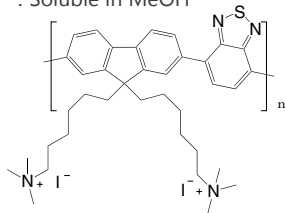
CAS No. : 1345045-27-3
 Formula : $(C_{70}H_{102}N_2O_4)_n C_{12}H_{10}$
 UV : 378 ± 10 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$



LT-N181 | PFNIBT

Poly(9,9-bis(6-trimethylammoniumiodide)-hexylfluorene-2,7-diyl-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl))

Grade : Mw > 10,000 (GPC)
 Formula : $(C_{35}H_{42}I_2N_4S)_n$
 UV : 317, 448 nm (in DMSO)
 Solubility : Soluble in MeOH

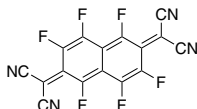


LT-N223 | F6TCNNQ

NEW

1,3,4,5,7,8-hexafluorotetracyanonaphthoquinodimethane

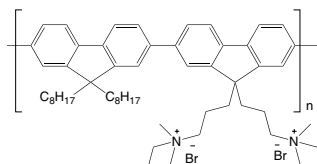
CAS No. : 912482-15-6
 Grade : Sublimed >98% (By Element Analysis)
 Formula : $C_{16}F_6N_4$
 M.W. : 362.19 g/mole



LT-N878 | PFN-Br

Poly[(9,9-bis(3'-((N,N-dimethyl)-N-ethylammonium)-propyl)-2,7-fluorene)-*alt*-2,7-(9,9-dioctylfluorene)]dibromide

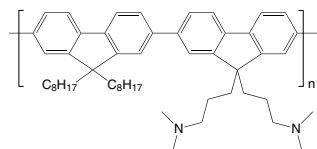
CAS No. : 889672-99-5
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{56}H_{80}N_2Br_2)_n$
 UV : 375 nm (in MeOH)
 PL : 440 nm (in MeOH)
 Solubility : Soluble in MeOH



LT-N4027 | PFN-DOF

Poly[(9,9-bis(3'-(N,N-dimethylamino)propyl)-2,7-fluorene)-*alt*-2,7-(9,9-dioctylfluorene)]

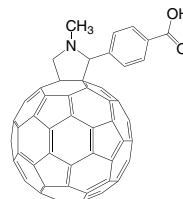
CAS No. : 673474-75-4
 Grade : Mw > 10,000 (GPC)
 Formula : $(C_{52}H_{70}N_2)_n$
 UV : 378 nm (in CH_2Cl_2)
 PL : 414 nm (in CH_2Cl_2)
 Solubility : Soluble in CH_2Cl_2 , $CHCl_3$, Toluene



LT-S9161 | C₆₀-COOH-SAM

4-(1',5'-Dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]pyrrol-2'-yl)benzoic acid

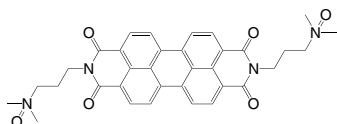
CAS No. : 631918-72-4
 Grade : >99%
 Formula : $C_{70}H_{11}NO_2$
 M.W. : 897.84 g/mole
 UV : 345 nm (in CH_2Cl_2)



LT-S9479 | PDINO

2,9-Bis[3-(dimethyloxidoamino)propyl]anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetrone

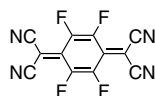
CAS No. : 1558023-86-1
Grade : >97%
Formula : $C_{34}H_{32}N_4O_6$
M.W. : 592.64 g/mole
HOMO : -6.21 eV
LUMO : -3.63 eV



LT-E208 | F4-TCNQ

2,3,5,6-Tetrafluoro-7,7,8,8-tetracyano-quinodimethane

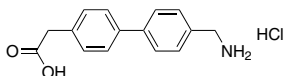
CAS No. : 29261-33-4
Grade : Sublimed >99%
Formula : $C_{12}F_4N_4$
M.W. : 276.15 g/mole
UV : 339 nm (in THF)
PL : 402 nm (in THF)
TGA : >210 °C (0.5% weight loss)



LT-S9647

4'-(Aminomethyl)-[1,1'-biphenyl]-4-acetic acid

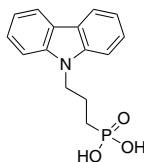
Grade :>99%
 Formula :C₁₅H₁₆ClNO₂
 M.W. :277.75 g/mole



LT-S9648 3PACz

(3-(9H-carbazol-9-yl)propyl)phosphonic acid

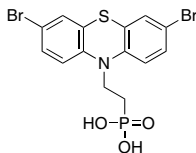
Grade :>99%
 Formula :C₁₅H₁₆NO₃P
 M.W. :289.27 g/mole



LT-S9649 Br-2EPT

(2-(3,7-Dibromo-10H-phenothiazin-10-yl)ethyl)phosphonic acid

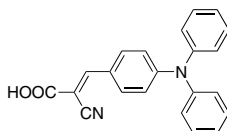
CAS No. :2826271-17-2
 Grade :>99%
 Formula :C₁₄H₁₂BrNO₃PS
 M.W. :465.10 g/mole
 HOMO :-5.47 eV
 LUMO :-2.12 eV



LT-S9650 LS1

2-Cyano-3-[4-(N-phenylanilino)phenyl]prop-2-enoic acid

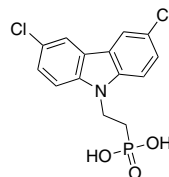
CAS No. :30388-31-9
 Grade :>99%
 Formula :C₂₂H₁₆N₂O₂
 M.W. :340.37 g/mole



LT-S9673 Cl-2PACz

(2-(3,6-Dichloro-9H-carbazol-9-yl)ethyl)phosphonic acid

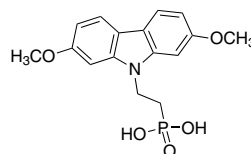
Grade :>98%
 Formula :C₁₄H₁₂Cl₂NO₃P
 M.W. :344.13 g/mole
 HOMO :-6.05 eV
 LUMO :-2.67 eV



LT-S9674 DC-PA

(2-(2,7-Dimethoxy-9H-carbazol-9-yl)ethyl)phosphonic acid

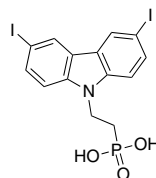
Grade :>98%
 Formula :C₁₆H₁₈NO₅P
 M.W. :335.29 g/mole



LT-S9675 I-2PACz

(2-(3,6-Diiodo-9H-carbazol-9-yl)ethyl)phosphonic acid

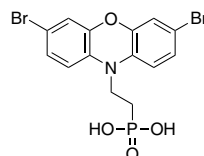
Grade :>98%
 Formula :C₁₄H₁₂I₂NO₃P
 M.W. :527.03 g/mole
 HOMO :-5.98 eV
 LUMO :-2.61 eV



LT-S9676 Br-2EPO

(2-(3,7-Dibromo-10H-phenoxazin-10-yl)ethyl)phosphonic acid

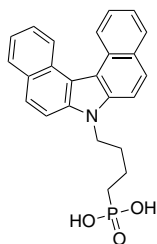
Grade :>98%
 Formula :C₁₄H₁₂Br₂NO₃P
 M.W. :449.03 g/mole
 HOMO :-5.25 eV
 LUMO :-1.81 eV



LT-S9677 | CbzNaph

(4-(7H-dibenzo[*c,g*]carbazol-7-yl)butyl)phosphonic acid

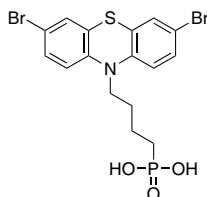
CAS No. :2882156-63-8
 Grade :>98%
 Formula :C₂₄H₂₂NO₃P
 M.W. :403.41 g/mole
 HOMO :-5.35 eV
 LUMO :-2.28 eV



LT-S9678 | 2BrPTZPA

(4-(3,7-dibromo-10H-phenothiazin-10-yl)butyl)phosphonic acid

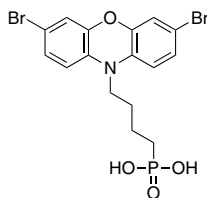
Grade :>98%
 Formula :C₁₆H₁₆Br₂NO₃PS
 M.W. :493.15 g/mole
 HOMO :-5.34 eV
 LUMO :-1.16 eV



LT-S9679 | 2BrPXZPA

(4-(3,7-dibromo-10H-phenoxazin-10-yl)butyl)phosphonic acid

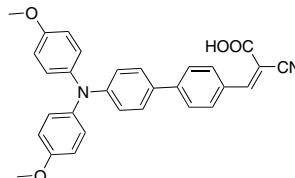
Grade :>98%
 Formula :C₁₆H₁₆Br₂NO₄P
 M.W. :477.08 g/mole
 HOMO :-5.22 eV
 LUMO :-1.01 eV



LT-S9667 | MPA-Ph-CA

(Z)-3-(4'-(Bis(4-methoxyphenyl)amino)-[1,1'-biphenyl]-4-yl)-2-cyanoacrylic acid

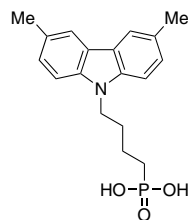
Grade :>99%
 Formula :C₃₀H₂₄N₂O₄
 M.W. :476.52 g/mole
 HOMO :-5.39 eV
 LUMO :-2.64 eV



LT-S9557 | Me-4PACz

(4-(3,6-Dimethyl-9H-carbazol-9-yl)butyl)phosphonic acid

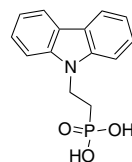
CAS No. :2747959-96-0
 Grade :>99%
 Formula :C₁₈H₂₂NO₃P
 M.W. :331.35 g/mole
 HOMO :-5.74 eV
 LUMO :-2.49 eV



LT-S9566 | 2PACz

(2-(9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :20999-38-6
 Grade :>99%
 Formula :C₁₄H₁₄NO₃P
 M.W. :275.24 g/mole



LT-S9567 | 4PACz

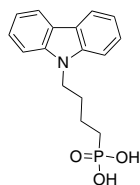
(4-(9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :20999-36-4

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

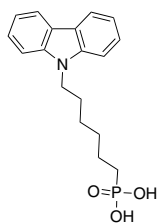
**LT-S9568** | 6PACz

(6-(9H-carbazol-9-yl)hexyl)phosphonic acid

Grade :>99%

Formula :C₁₈H₂₂NO₃P

M.W. :331.35 g/mole

**LT-S9569** | Br-2PACz

(2-(3,6-Dibromo-9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :2762888-11-7

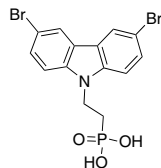
Grade :>98%

Formula :C₁₄H₁₂Br₂NO₃P

M.W. :433.03 g/mole

HOMO :-6.01 eV

LUMO :-2.64 eV

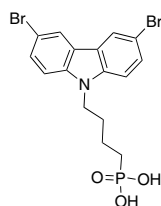
**LT-S9570** | Br-4PACz

(4-(3,6-Dibromo-9H-carbazol-9-yl)butyl)phosphonic acid

Grade :>98%

Formula :C₁₆H₁₆Br₂NO₃P

M.W. :461.08 g/mole

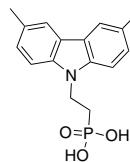
**LT-S9571** | Me-2PACz

(2-(3,6-Dimethyl-9H-carbazol-9-yl)ethyl)phosphonic acid

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

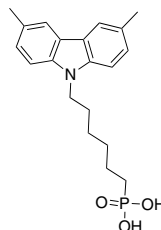
**LT-S9572** | Me-6PACz

(6-(3,6-Dimethyl-9H-carbazol-9-yl)hexyl)phosphonic acid

Grade :>98%

Formula :C₂₀H₂₆NO₃P

M.W. :359.4 g/mole

**LT-S9573** | MeO-2PACz

(2-(3,6-Dimethoxy-9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :2377770-18-6

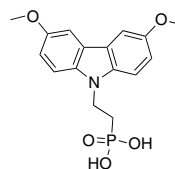
Grade :>98%

Formula :C₁₆H₁₈NO₅P

M.W. :335.29 g/mole

HOMO :-5.3 eV

LUMO :-2.12 eV

**LT-S9574** | MeO-4PACz

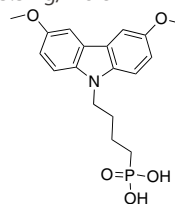
(4-(3,6-Dimethoxy-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2922526-56-3

Grade :>98%

Formula :C₁₈H₂₂NO₅P

M.W. :363.34 g/mole



LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No. :1333317-99-9

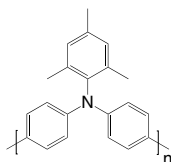
Grade :Mw = 20,000~100,000 (GPC)

Formula : $(C_{21}H_{19}N)_n$

UV :371, 388 nm (in CH_2Cl_2)

PL :424 nm (in CH_2Cl_2)

Solvent :Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9583 | EADR03

4-(3,6-Bis(2,4-dimethoxyphenyl)-9H-carbazol-9-yl)benzoic acid

CAS No. :2918298-65-2

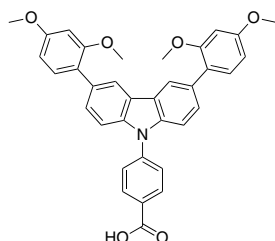
Grade :>99%

Formula : $C_{35}H_{29}NO_6$

M.W. :559.61 g/mole

HOMO :-5.05 eV

LUMO :-1.77 eV



LT-N1021 | 1F-PTAA

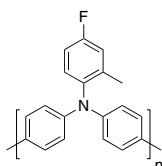
Poly[bis(4-phenyl)(4-fluoro-2-methylphenyl)amine]

Formula : $(C_{19}H_{14}FN)_n$

M.W. :Mw>20,000

HOMO :-5.52 eV

LUMO :-2.55 eV



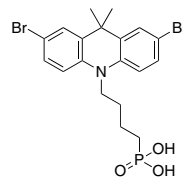
LT-S9747 | DMAcPA

(4-(2,7-Dibromo-9,9-dimethylacridin-10(9H)-yl)butyl) phosphonic acid

Grade :>98%

Formula : $C_{19}H_{22}Br_2NO_3P$

M.W. :503.16 g/mole



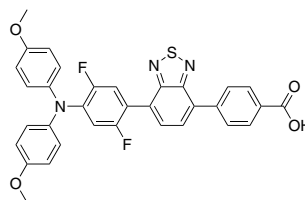
LT-S9748 | MPA2FPh-BT-BA

4-(7-(4-(Bis(4-methoxyphenyl)amino)-2,5-difluorophenyl)benzo[c][1,2,5]thiadiazol-4-yl)benzoic acid

Grade :>98%

Formula : $C_{33}H_{23}F_2N_3O_4S$

M.W. :595.62 g/mole



LT-S9750 | MPA-BT-CA

(E)-3-(7-(4-(Bis(4-methoxyphenyl)amino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl)-2-cyanoacrylic acid

Grade :>98%

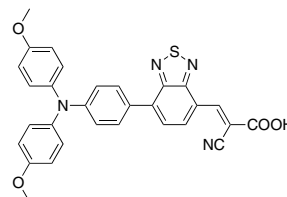
Formula : $C_{30}H_{22}N_4O_4S$

M.W. :534.59 g/mole

UV :514 nm (in THF)

HOMO :-5.29 eV

LUMO :-3.26 eV



Organic Photovoltaic (OPV)_Perovskite Solar Cells Materials

Self-Assembled Monolayers Materials

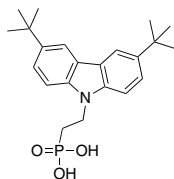
LT-S9755 | tBu-2PACz

(2-(3,6-Di-tert-butyl-9H-carbazol-9-yl)ethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{30}NO_3P$

M.W. : 387.45 g/mole



LT-S9791 |

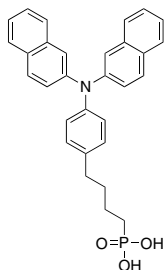
NEW

(4-(4-(Di(naphthalen-2-yl)amino)phenyl)butyl)phosphonic acid

Grade : > 98%

Formula : $C_{30}H_{28}NO_3P$

M.W. : 481.52 g/mole



LT-S9792 |

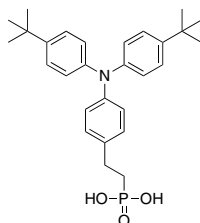
NEW

(4-(Bis(4-(tert-butyl)phenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{28}H_{36}NO_3P$

M.W. : 465.56 g/mole



LT-S9793 |

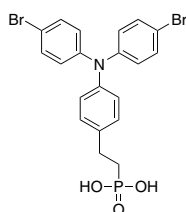
NEW

(4-(bis(4-bromophenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{20}H_{18}Br_2NO_3P$

M.W. : 511.14 g/mole



LT-S9794 |

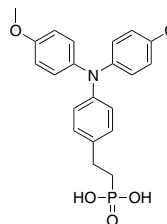
NEW

(4-(Bis(4-methoxyphenyl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{24}NO_5P$

M.W. : 413.4 g/mole



LT-S9795 |

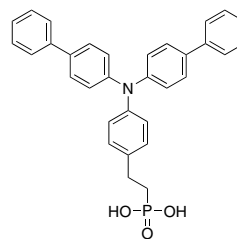
NEW

(4-(Di([1,1'-biphenyl]-4-yl)amino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{32}H_{28}NO_3P$

M.W. : 505.54 g/mole



LT-S9796 |

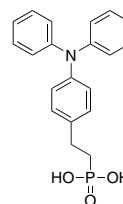
NEW

(4-(Diphenylamino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{20}H_{20}NO_3P$

M.W. : 353.35 g/mole



LT-S9797 |

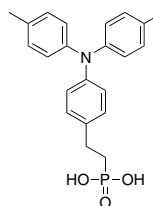
NEW

(4-(Di-p-tolylamino)phenethyl)phosphonic acid

Grade : > 98%

Formula : $C_{22}H_{24}NO_3P$

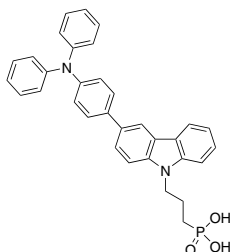
M.W. : 381.4 g/mole



LT-S9798 | 4dp3PACz NEW

[3-[4-(Diphenylamino)phenyl]-9H-carbazol-9-yl] propylphosphonic acid

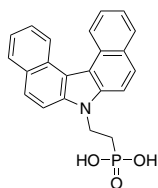
Grade : > 98%
Formula : $C_{33}H_{29}N_2O_3P$
M.W. : 532.57 g/mole



LT-S9799 | DCB-C2-POOH NEW

(2-(7H-dibenzo[c,g]carbazol-7-yl)ethyl)phosphonic acid

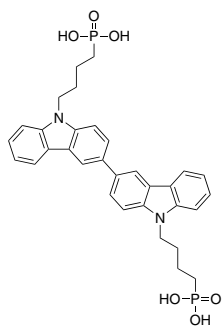
Grade : > 98%
Formula : $C_{22}H_{18}NO_3P$
M.W. : 375.36 g/mole
HOMO : -5.53 eV
LUMO : -2.34 eV



LT-S9800 | DCZ-C4POH NEW

(9H,9'H-[3,3'-bicarbazole]-9,9'-diylbis(butane-4,1-diyl)) diphosphonic acid

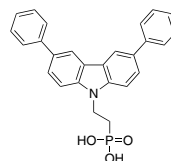
Grade : > 98%
Formula : $C_{32}H_{34}N_2O_6P_2$
M.W. : 604.57 g/mole



LT-S9801 | Ph-2PACz NEW

(2-(3,6-Diphenyl-9H-carbazol-9-yl)ethyl)phosphonic acid

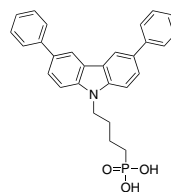
Grade : > 98%
Formula : $C_{26}H_{22}NO_3P$
M.W. : 427.43 g/mole



LT-S9802 | Ph-4PACz NEW

(4-(3,6-Diphenyl-9H-carbazol-9-yl)butyl)phosphonic acid

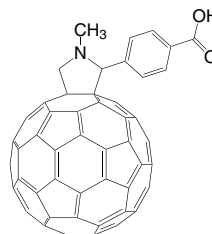
CAS No. : 2814500-04-2
Grade : > 98%
Formula : $C_{28}H_{26}NO_3P$
M.W. : 455.48 g/mole



LT-S9161 | C₆₀-COOH-SAM

4-(1',5'-Dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]-pyrrol-2'-yl)benzoic acid

CAS No. : 631918-72-4
Grade : > 99%
Formula : $C_{70}H_{11}NO_2$
M.W. : 897.84 g/mole
UV : 345 nm (in CH₂Cl₂)



LT-S9557 | Me-4PACz

(4-(3,6-Dimethyl-9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :2747959-96-0

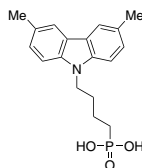
Grade :>99%

Formula :C₁₈H₂₂NO₃P

M.W. :331.35 g/mole

HOMO :-5.74 eV

LUMO :-2.49 eV

**LT-S9566** | 2PACz

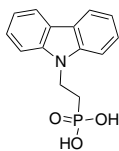
(2-(9H-carbazol-9-yl)ethyl)phosphonic acid

CAS No. :20999-38-6

Grade :>99%

Formula :C₁₄H₁₄NO₃P

M.W. :275.24 g/mole

**LT-S9567** | 4PACz

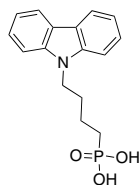
(4-(9H-carbazol-9-yl)butyl)phosphonic acid

CAS No. :20999-36-4

Grade :>99%

Formula :C₁₆H₁₈NO₃P

M.W. :303.29 g/mole

**LT-S9727** | MPA-CPA

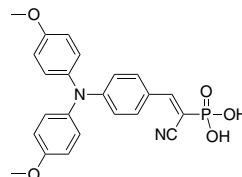
(2-(4-(Bis(4-methoxyphenyl)amino)phenyl)-1-cyanovinyl)phosphonic acid

CAS No. :2212003-31-9

Grade :>98%

Formula :C₂₃H₂₁N₂O₅P

M.W. :436.4 g/mole

**B1361** | MTPA-BA

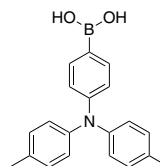
(4-(Di-p-tolylamino)phenyl)boronic acid

CAS No. :654067-65-9

Grade :>97%

Formula :C₂₀H₂₀BNO₂

M.W. :317.2 g/mole

**LT-S9741** | DCB-BPA

(4-(5,9-Dibromo-7H-dibenzo[c,g]carbazol-7-yl)butyl)phosphonic acid

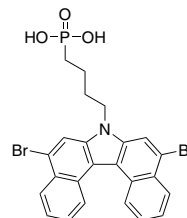
Grade :>98%

Formula :C₂₄H₂₀Br₂NO₃P

M.W. :561.2 g/mole

HOMO :-5.35 eV

LUMO :-1.62 eV



Self-Assembled Monolayers Materials

LT-S9740 | PPA

7-(4-(Diphenylamino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl) phosphonic acid

CAS No. :2759856-06-7

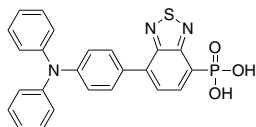
Grade :>98%

Formula :C₂₄H₁₈N₃O₃PS

M.W. :459.46 g/mole

HOMO :-5.28 eV

LUMO :-2.96 eV



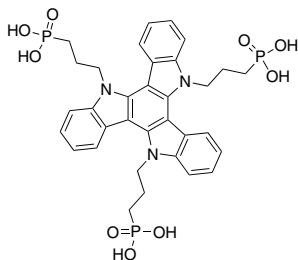
LT-S9737 | 3PATAT-C3

(5H-Diindolo[3,2-a:3',2'-c]carbazole-5,10,15-triyl)tris(propane-3,1-diy)l)triphosphonic acid

Grade :>98%

Formula :C₃₃H₃₆N₃O₉P₃

M.W. :711.57 g/mole



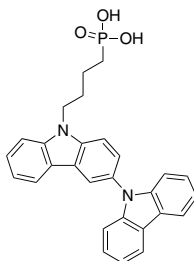
LT-S9738 | 4,3BuPACz

(4-(9H-[3,9'-bicarbazol]-9-yl)butyl)phosphonic acid

Grade :>98%

Formula :C₂₈H₂₅N₂O₃P

M.W. :468.48 g/mole



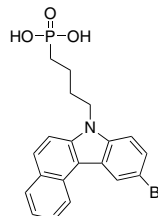
LT-S9739 | BCBBR-C4PA

(4-(10-Bromo-7H-benzo[c]carbazol-7-yl)butyl)phosphonic acid

Grade :>98%

Formula :C₂₀H₁₃BrNO₃P

M.W. :432.25 g/mole

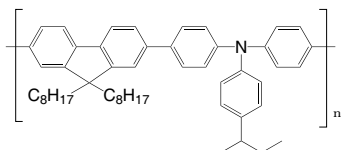


Hole Transport

LT-N148 | TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*co*-(4,4'-(*N*-(4-*sec*-butylphenyl) diphenylamine)]

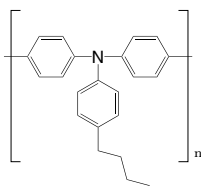
CAS No. : 220797-16-0
 Grade : Mw >30,000 (GPC)
 Formula : (C₅₁H₆₁N)_n
 UV : 389 nm (in CH₂Cl₂)
 PL : 443 nm (in CH₂Cl₂)
 Solubility : Soluble in CH₂Cl₂, Toluene, CHCl₃



LT-N149 | Poly-TPD

Poly[*N,N'*-bis(4-butylphenyl)-*N,N'*-bis(phenyl)-benzidine]

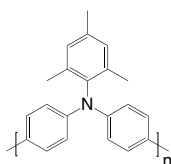
CAS No. : 472960-35-3
 Grade : Mw = 20,000~200,000 (GPC)
 Formula : (C₂₂H₂₁N)_n
 UV : 371, 388 nm (in CH₂Cl₂)
 PL : 424 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene



LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No. : 1333317-99-9
 Grade : Mw = 20,000~100,000 (GPC)
 Formula : (C₂₁H₁₉N)_n
 UV : 371, 388 nm (in CH₂Cl₂)
 PL : 424 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

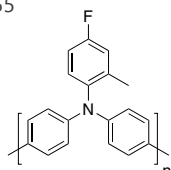


LT-N1021 | 1F-PTAA

NEW

Poly(bis(4-phenyl)(4-fluoro-2-methylphenyl)amine)

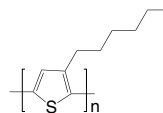
Formula : (C₁₉H₁₄FN)_n
 HOMO : -5.52
 LUMO : -2.55



LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

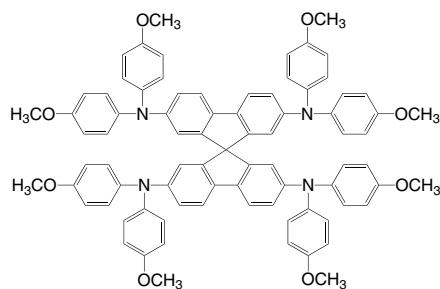
CAS No. : 110134-47-9 / 104934-50-1
 Grade : Mw >45,000 (GPC) Electronic
 Grade : Regio Regular >93%
 Formula : (C₁₀H₁₄S)_n
 UV : 445 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S922 | Spiro-MeOTAD

2,2',7,7'-Tetrakis(*N,N*-di-*p*-methoxyphenylamino)-9,9'-spirobifluorene

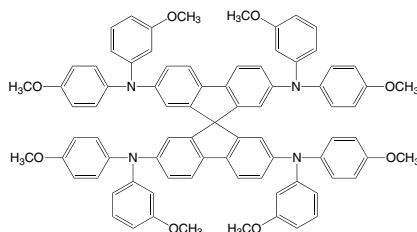
CAS No. : 207739-72-8
 Grade : >99.5% (HPLC)
 Formula : C₆₁H₆₈N₄O₈
 UV : 306, 385 nm (in CH₂Cl₂)
 PL : 429 nm (in CH₂Cl₂)



LT-S9145 | p,m-Spiro-MeOTAD

*N*²,*N*²,*N*⁷,*N*⁷-Tetrakis(3-methoxyphenyl)-*N*²,*N*²,*N*⁷,*N*⁷-tetrakis(4-methoxyphenyl)-9,9'-spirobifluorene-2,2',7,7'-tetraamine

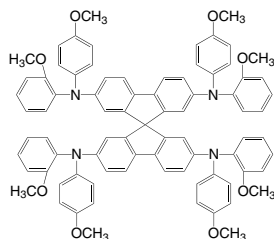
CAS No. : 1573202-44-4
 Grade : >99% (HPLC)
 Formula : C₆₁H₆₈N₄O₈
 UV : 308, 378 nm (in CH₂Cl₂)
 PL : 414 nm (in CH₂Cl₂)



LT-S9146 | p,o-Spiro-MeOTAD

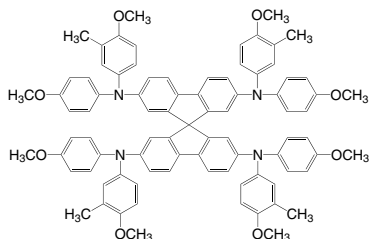
*N*²,*N*²,*N*⁷,*N*⁷-Tetrakis(2-methoxyphenyl)-*N*²,*N*²,*N*⁷,*N*⁷-tetrakis(4-methoxyphenyl)-9,9'-spirobifluorene]-2,2',7,7'-tetraamine

CAS No. : 1628961-22-7
 Grade : >98.5% (HPLC)
 Formula : C₈₁H₆₈N₄O₈
 UV : 316, 375 nm (in CH₂Cl₂)
 PL : 418 nm (in CH₂Cl₂)

**LT-S9170** | Spiro-MeOTAD-HTM1

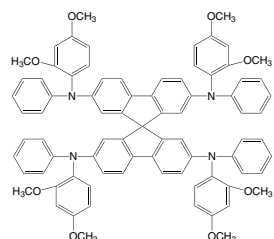
2,2',7,7'-Tetrakis(4,4'-dimethoxy-3-methylidiphenylamino)-9,9'-spirobifluorene

CAS No. : 1573202-31-9
 Grade : >99% (HPLC)
 Formula : C₈₅H₇₆N₄O₈
 UV : 306, 385 nm (in CH₂Cl₂)
 PL : 429 nm (in CH₂Cl₂)

**LT-S9437** | 2,4-spiro-OMeTAD

*N*²,*N*²,*N*⁷,*N*⁷-Tetrakis(2,4-dimethoxyphenyl)-*N*²,*N*²,*N*⁷,*N*⁷-tetraphenyl-9,9'-spirobifluorene]-2,2',7,7'-tetraamine

CAS No. : 2102348-92-3
 Grade : >99% (HPLC)
 Formula : C₈₁H₆₈N₄O₈
 HOMO : -5.24 eV
 LUMO : -2.08 eV

**LT-PS001** | PEDOT: PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification

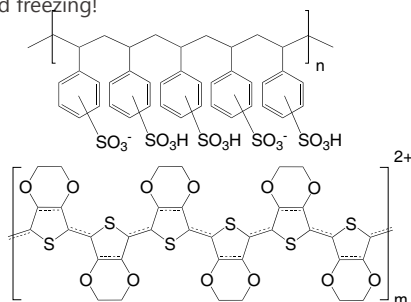
CAS No. : 155090-83-8
 Description : Aqueous dispersion, blue liquid.
 Sodium : Max. 400 ppm
 Sulfate : Max. 40 ppm
 Solid content: 1.3 - 1.7 wt%
 PSD d50 : 80 nm
 PSD d90 : 100 nm
 Resistivity : 500-5000 Ωcm
 Viscosity : 5-12 mPas

Technical Data (guide values, not a specification)

Form : liquid
 Odour : odourless
 Colour : dark blue
 PEDOT:PSS ratio: 1:6 (by weight)
 PEDOT work function: approx 5.2 eV
 pH : 1.2 - 2.2 at 20°C
 Boiling Point : approx 100°C

Storage:

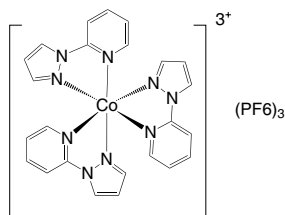
The product is sensitive to frost and should therefore not be stored at temperatures below 5°C.
 Avoid freezing!



Redox Couple Electrolytes

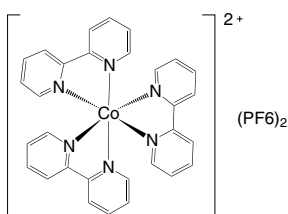
LT-S9135 | FK102 Co(III) PF₆_SaltTris(1-(pyridin-2-yl)-1*H*-pyrazol)cobalt(III)
tris(hexafluorophosphate)

CAS No. : 1346416-70-3
 Grade : >99% (NMR)
 Formula : C₂₄H₂₁CoF₁₈N₉P₃
 M.W. : 1169.43 g/mole

**LT-S9183** | Co(II)(bpy)₃(PF₆)₂

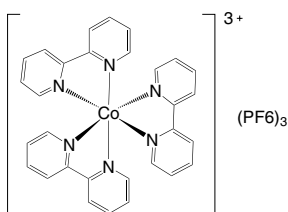
Tris-(2,2'-bipyridine)cobalt(II) bis(hexafluorophosphate)

CAS No. : 79151-78-3
 Grade : >99% (NMR)
 Formula : C₃₀H₂₄CoF₁₂N₆P₂
 M.W. : 817.41 g/mole

**LT-S9184** | Co(III) (bpy)₃(PF₆)₃

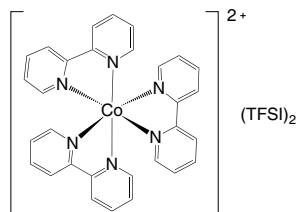
Tris-(2,2'-bipyridine)cobalt(III) tris(hexafluorophosphate)

CAS No. : 28277-53-4
 Grade : >99% (NMR)
 Formula : C₃₀H₂₄CoF₁₈N₆P₃
 M.W. : 962.38 g/mole

**LT-S9185** | Co(II)(bpy)₃(TFSI)₂

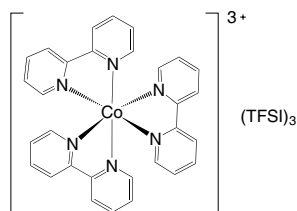
Tris-(2,2'-bipyridine)cobalt(II) bis(trifluoromethanesulfonimide)

CAS No. : 1353745-90-0
 Grade : >99% (NMR)
 Formula : C₃₄H₂₄CoF₁₂N₈O₈S₄
 M.W. : 1087.78 g/mole

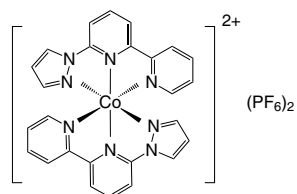
**LT-S9186** | Co(III)(bpy)₃(TFSI)₃

Tris-(2,2'-bipyridine)cobalt(III) tris(trifluoromethanesulfonimide)

CAS No. : 1353745-91-1
 Grade : >99% (NMR)
 Formula : C₃₆H₂₄CoF₁₈N₉O₁₂S₆
 M.W. : 1367.92 g/mole

**LT-S9187** | Co(II)(bpy-pz)₂(PF₆)₂Bis(6-(1*H*-pyrazol-1-yl)-2,2'-bipyridine)cobalt(II) bis(hexafluorophosphate), mixture of stereoisomers

CAS No. : 312322-08-0
 Grade : >99% (NMR)
 Formula : C₂₆H₂₀CoF₁₂N₈P₂
 M.W. : 793.35 g/mole

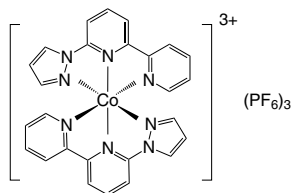


Redox Couple Electrolytes

LT-S9188 | $\text{Co(III)(bpy-pz)}_2(\text{PF}_6)_3$

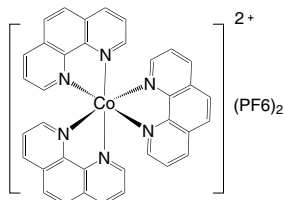
Bis(6-(1H-pyrazol-1-yl)-2,2'-bipyridine)cobalt(III)
tris(hexafluorophosphate), mixture of stereoisomers

CAS No. : 1346417-60-4
Grade : >99% (NMR)
Formula : $\text{C}_{26}\text{H}_{20}\text{CoF}_{18}\text{N}_8\text{P}_3$
M.W. : 938.32 g/mole

**LT-S9191** | $\text{Co(II)(phen)}_3(\text{PF}_6)_2$

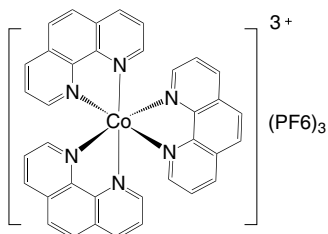
Tris(1,10-phenanthroline)cobalt(II) bis(hexafluorophosphate)

CAS No. : 31876-74-1
Grade : >99% (NMR)
Formula : $\text{C}_{36}\text{H}_{24}\text{CoF}_{12}\text{N}_6\text{P}_2$
M.W. : 889.48 g/mole

**LT-S9192** | $\text{Co(III)(phen)}_3(\text{PF}_6)_3$

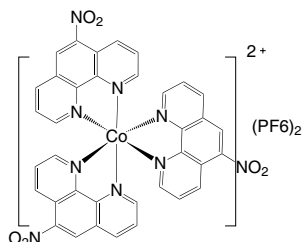
Tris(1,10-phenanthroline)cobalt(III) tris(hexafluorophosphate)

CAS No. : 28277-59-0
Grade : >99% (NMR)
Formula : $\text{C}_{36}\text{H}_{24}\text{CoF}_{18}\text{N}_6\text{P}_3$
M.W. : 1034.44 g/mole

**LT-S9193** | $\text{Co(II)(NO}_2\text{-phen)}_3(\text{PF}_6)_2$

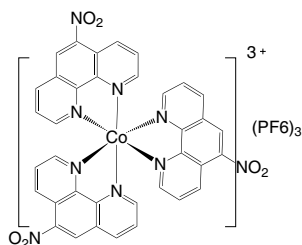
Tris(5-nitro-1,10-phenanthroline)cobalt(II)
bis(hexafluorophosphate)

Grade : >99% (NMR)
Formula : $\text{C}_{36}\text{H}_{21}\text{CoF}_{12}\text{N}_9\text{O}_6\text{P}_2$
M.W. : 1024.47 g/mole

**LT-S9194** | $\text{Co(III)(NO}_2\text{-phen)}_3(\text{PF}_6)_3$

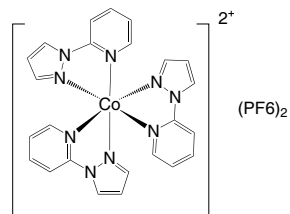
Tris(5-nitro-1,10-phenanthroline)cobalt(III)
tris(hexafluorophosphate)

Grade : >99% (NMR)
Formula : $\text{C}_{36}\text{H}_{21}\text{CoF}_{18}\text{N}_9\text{O}_6\text{P}_3$
M.W. : 1169.43 g/mole

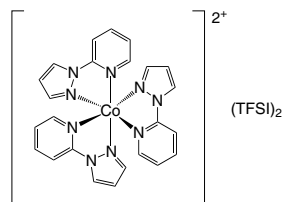
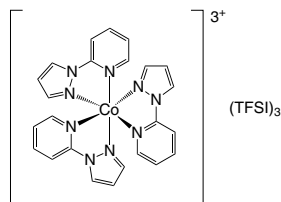
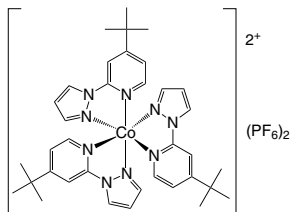
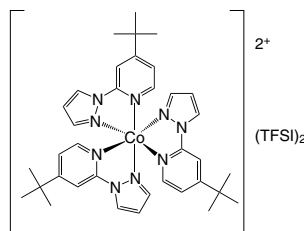
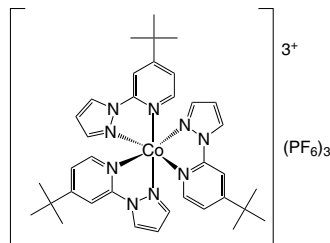
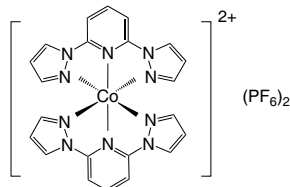
**LT-S9195** | FK102 Co(II) PF6 salt

Tris(1-(pyridin-2-yl)-1H-pyrazol)cobalt(II)
bis(hexafluorophosphate)

CAS No. : 1392221-69-0
Grade : >99% (NMR)
Formula : $\text{C}_{24}\text{H}_{21}\text{CoF}_{12}\text{N}_9\text{P}_2$
M.W. : 784.35 g/mole



Redox Couple Electrolytes

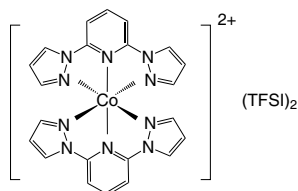
LT-S9406 | FK 102 Co(II) TFSI SaltTris(1-(pyridin-2-yl)-1*H*-pyrazol)cobalt(II)
bis(trifluoromethanesulfonimide)Grade : >99% (NMR)
Formula : $C_{28}H_{21}CoN_{11}O_8S_4F_{12}$
M.W. : 1054.72 g/mole**LT-S9407** | FK 102 Co(III) TFSI SaltTris(1-(pyridin-2-yl)-1*H*-pyrazol)cobalt(III)
tris(trifluoromethanesulfonimide)Grade : >99% (NMR)
Formula : $C_{30}H_{21}CoN_{12}O_{12}S_6F_{18}$
M.W. : 1334.87 g/mole**LT-S9408** | FK 209 Co(II) PF6 saltTris[4-(tert-butyl)-2-(1*H*-pyrazol-1-yl)pyridine]cobalt(II)
bis(hexafluorophosphate)Grade : >99% (NMR)
Formula : $C_{36}H_{45}CoN_9P_2F_{12}$
M.W. : 952.68 g/mole**LT-S9409** | FK 209 Co(II) TFSI saltTris[4-(tert-butyl)-2-(1*H*-pyrazol-1-yl)pyridine]cobalt(II)
bis(trifluoromethanesulfonimide)Grade : >99% (NMR)
Formula : $C_{40}H_{45}CoN_{11}O_8S_4F_{12}$
M.W. : 1223.02 g/mole**LT-S9410** | FK 209 Co(III) PF6 saltTris[4-(tert-butyl)-2-(1*H*-pyrazol-1-yl)pyridine]cobalt(III)
tris(hexafluorophosphate)Grade : >99% (NMR)
Formula : $C_{36}H_{45}CoN_9P_3F_{18}$
M.W. : 1097.64 g/mole**LT-S9412** | FK 269 Co(II) PF6 saltBis[2,6-di(1*H*-pyrazol-1-yl)pyridine]cobalt(II)
bis(hexafluorophosphate)Grade : >99% (NMR)
Formula : $C_{22}H_{18}CoN_{10}P_2F_{12}$
M.W. : 771.31 g/mole

Redox Couple Electrolytes

LT-S9413 | FK 269 Co(II) TFSI salt

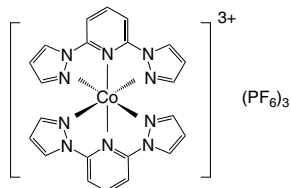
Bis[2,6-di(1*H*-pyrazol-1-yl)pyridine]cobalt(II)
bis(trifluoromethanesulfonimide)

Grade : >99% (NMR)
Formula : C₂₆H₁₈CoN₁₂O₈S₄F₁₂
M.W. : 1041.67 g/mole

**LT-S9414** | FK 269 Co(III) PF6 salt

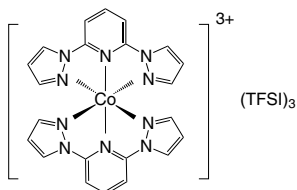
Bis[2,6-di(1*H*-pyrazol-1-yl)pyridine]cobalt(III)
tris(hexafluorophosphate)

Grade : >99% (NMR)
Formula : C₂₂H₁₈CoN₁₀P₃F₁₈
M.W. : 916.27 g/mole

**LT-S9415** | FK 269 Co(III) TFSI salt

Bis[2,6-di(1*H*-pyrazol-1-yl)pyridine]cobalt(III)
tris(trifluoromethanesulfonimide)

Grade : >99% (NMR)
Formula : C₂₈H₁₈CoN₁₃O₁₂S₆F₁₈
M.W. : 1321.83 g/mole

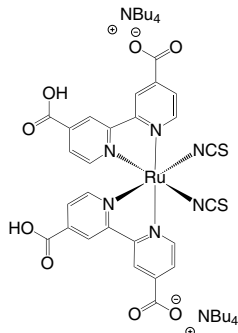


Dye-sensitized

LT-S945 | N719

Di-tetrabutylammonium *cis*-bis(isothiocyanato)bis(2,2'-bipyridyl-4,4'-dicarboxylato)ruthenium(II)

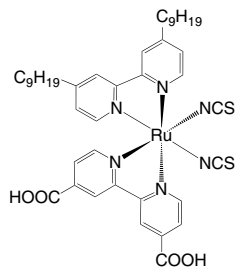
CAS No. : 207347-46-4
Grade : >98% (HPLC)
Formula : $C_{50}H_{86}N_8O_8RuS_2$
M.W. : 1188.55 g/mole
UV : 313, 534 nm (in EtOH)



LT-S964 | Z-907

cis-Bis(isothiocyanato)(2,2'-bipyridyl-4,4'-dicarboxylato)(4,4'-di-nonyl-2'-bipyridyl)ruthenium(II)

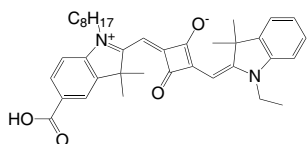
CAS No. : 502693-09-6
Grade : >98% (HPLC)
Formula : $C_{42}H_{52}N_6O_4RuS_2$
M.W. : 870.10 g/mole
UV : 295, 531 nm (in EtOH)



LT-S9037 | SQ01

(*E*)-4-((5-Carboxy-3,3-dimethyl-1-octyl-3*H*-indolium-2-yl)-methylene)-2-((*E*)-(1-ethyl-3,3-dimethylindolin-2-ylidene)-methyl)-3-oxocyclobut-1-enolate

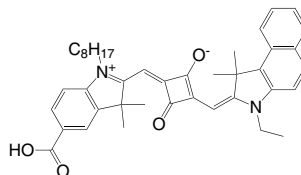
CAS No. : 951248-19-4
Grade : >99% (HPLC)
Formula : $C_{37}H_{44}N_2O_4$
M.W. : 580.67 g/mole
UV : 637 nm (in DMF)
TGA : >220 °C (0.5% weight loss)



LT-S9038 | SQ02

(*E*)-4-((5-Carboxy-3,3-dimethyl-1-octyl-3*H*-indolium-2-yl)-methylene)-2-((*E*)-(3-ethyl-1,1-dimethyl-1*H*-benzo[e]indol-2(3*H*)-ylidene)methyl)-3-oxocyclobut-1-enolate

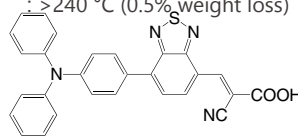
CAS No. : 1240041-84-2
Grade : >99% (HPLC)
Formula : $C_{41}H_{46}N_2O_4$
M.W. : 630.81 g/mole
UV : 662 nm (in DMF)
TGA : >250 °C (0.5% weight loss)



LT-S9068 | RL-1

2-Cyano-3-(7-(4-(diphenylamino)phenyl)-benzo[*c*][1,2,5]-thiadiazol-4-yl)acrylic acid

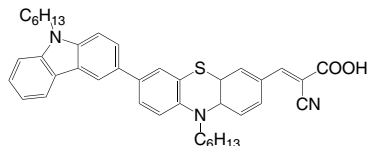
CAS No. : 1415134-59-6
Grade : >99% (NMR)
Formula : $C_{28}H_{18}N_4O_2S$
M.W. : 474.53 g/mole
UV : 324, 486 nm (in THF)
TGA : >240 °C (0.5% weight loss)



LT-S9120 | PTCbCA

(*E*)-2-Cyano-3-(10-hexyl-7-(9-hexyl-9*H*-carbazol-3-yl)-10*H*-phenothiazin-3-yl)acrylic acid

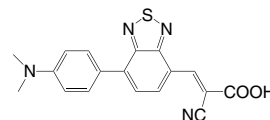
CAS No. : 1347758-70-6
Grade : >99% (NMR)
Formula : $C_{40}H_{41}N_3O_2S$
M.W. : 627.84 g/mole



LT-S9121 | CDMA-PBTCA

2-Cyano-3-(7-(4-(dimethylamino)phenyl)-benzo[*c*][1,2,5]-thiadiazol-4-yl)acrylic acid

Grade : >99% (NMR)
Formula : $C_{18}H_{14}N_4O_2S$
M.W. : 350.39 g/mole

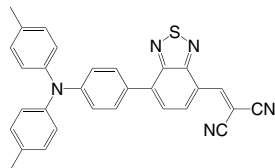


Dye-sensitized

LT-S9122 | DTDCPB

2-((7-(4-(Di-p-tolylamino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl)methylene)malononitrile

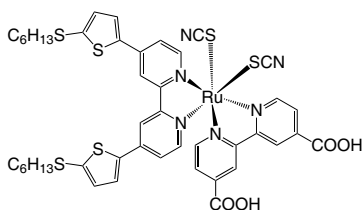
CAS No. : 1393343-58-2
 Grade : >99%
 Formula : $C_{30}H_{21}N_5S$
 M.W. : 483.59 g/mole
 UV : 306, 568 nm (in CH_2Cl_2)



LT-S9416 | C106 Dye

cis-Bis(isothiocyanato)(2,2'-bipyridyl-4,4'-dicarboxylato)-(4,4'-bis(5-(hexylthio)thiophen-2-yl)-2,2'-bipyridyl)-ruthenium(II)

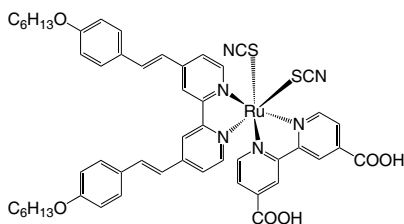
CAS No. : 1152310-69-4
 Formula : $C_{44}H_{44}N_6O_4RuS_6$
 M.W. : 1014.32 g/mole



LT-S9417 | K19 Dye

cis-Bis(thiocyanato)(2,2'-bipyridyl-4,4'-dicarboxylic acid)-(4,4'-bis(phexyloxystyryl)-2,2'-bipyridine)ruthenium(II)

CAS No. : 847665-45-6
 Formula : $C_{52}H_{52}N_6O_6RuS_2$
 M.W. : 1022.21 g/mole



LT-S9418 | N749 Black Dye

Tris(tetrabutylammonium)-tris(isothiocyanato)(2,2':6',6''-terpyridyl-4,4',4''-tricarboxylato)ruthenium(II)

CAS No. : 359415-47-7
 Formula : $C_{69}H_{117}N_9O_6RuS_3$
 M.W. : 1364.98 g/mole

