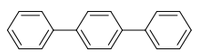
LT-D1201C

1,1':4'1"-terphenyl



Formula : $C_{18}H_{14}$
MW : 230.31 g/mole
CAS No. : 92-94-4
Absorption (λ-max) : 276 nm(cyclohexane)
Fluorescence (λ-max) : 337 nm(cyclohexane)

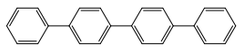
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	340	334-345	0.46	cyclohexane
KrF(248)	338	326-359	0.23	cyclohexane

Reference :1.Appl.Phys.,19, 35(1979)
2.Optics Commun., 26(3), 396(1978)

LT-D1202C

1,1':4',1":4",1"'-quaterphenyl



Formula : $C_{24}H_{18}$
MW : 306.41 g/mole
CAS No. : 135-70-6
Absorption (λ-max) : 294 nm(cyclohexane)
Fluorescence (λ-max) : 365 nm(cyclohexane)

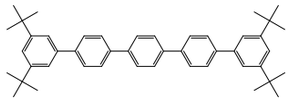
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
N2(337)	374	362-390	2.1	toluene

Reference :1.Nature, 225, 544(1970)

LT-D1203C

3,5,3"",5""-tetra-*t*-butyl-*p*-quinquephenyl



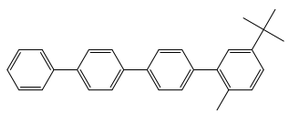
Formula : $C_{46}H_{54}$
MW : 606.93 g/mole
CAS No. : 89703-16-2
Absorption (λ-max) : 311 nm(p-dioxane)
Fluorescence (λ-max) : 390 nm(p-dioxane)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
N2(337)	387	372-411	0.52	

LT-D1204C

2-methyl-5-*t*-butyl-*p*-quaterphenyl



Formula : $C_{29}H_{28}$
MW : 376.51 g/mole
CAS No. : 114932-35-3
Absorption (λ-max) : 290 nm(p-dioxane)
Fluorescence (λ-max) : 364 nm(p-dioxane)

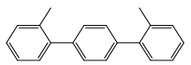
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	359	346-377	0.23	p-dioxane

Reference :1.Appl. Phys. B32, 9(1983)

LT-D1205C

2,2"-dimethyl-1,1':4'1"-terphenyl



Formula : $C_{20}H_{18}$
MW : 258.36 g/mole
CAS No. : 53092-64-1
Absorption (λ-max) : 252 nm(cyclohexane)
Fluorescence (λ-max) : 336 nm(cyclohexane)

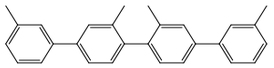
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
KrF(248)	332	311-355	0.25	Cyclohexane

Reference :1.Appl. Phys. 20, 283(1979)

LT-D1206C

2",3,3'3"'-tetramethyl-1,1':4'1":4"1"'-quaterphenyl



Formula : $C_{28}H_{26}$
MW : 362.52 g/mole
CAS No. : 4575-13-7
Absorption (λ-max) : 266 nm(cyclohexane)
Fluorescence (λ-max) : 350 nm(cyclohexane)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	354	343-365	0.73	p-dioxane
Nd:YAG(266)	350	338-361	0.73	cyclohexane

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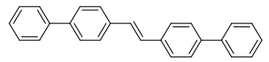
LT-D1209C

4,4"-(1,2-ethenediyl)bis-1,1'-biphenyl



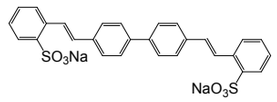
Formula : $C_{26}H_{20}$
MW : 332.45 g/mole
CAS No. : 2039-68-1
Absorption (λ-max) : 341 nm(benzene)
Fluorescence (λ-max) : 405 nm(benzene)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	406	397-414	0.33	p-dioxane
N2(337)	406	383-418	1	p-dioxane

LT-D1210C

2,2"-([1,1'-biphenyl]-4,4'-diyl-di-2,1-ethenediyl)bis-benzenesulfonic acid disodium salt



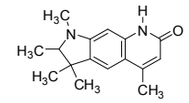
Formula : $C_{28}H_{20}O_6S_2Na_2$
MW : 562.56 g/mole
CAS No. : 27344-41-8
Absorption (λ-max) : 349 nm(methanol)
Fluorescence (λ-max) : 425 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	425	412-435	0.56	methanol
N2(337)	425	414-437	0.96	methanol

LT-D1211C

1,2,3,8-tetrahydro-1,2,3,3,5-pentamethyl-7H-pyrrolo[3,2-*g*]quinolin-7-one



Formula : $C_{16}H_{20}N_2O$
MW : 256.34 g/mole
CAS No. : 58336-37-1
Absorption (λ-max) : 367 nm(ethanol)
Fluorescence (λ-max) : 413 nm(ethanol)

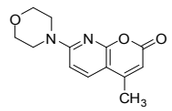
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	415	399-433	0.05	methanol
N2(337)	423	408-448	0.77	ethanol

Reference : 1.Appl. Optics, 20, 3553(1981)

LT-D1212C

4-methyl-7-(4-morpholinyl)-2H-pyrano[2,3-*b*]pyridin-2-one



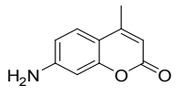
Formula : $C_{13}H_{14}N_2O_3$
MW : 246.26 g/mole
CAS No. : 57980-07-1
Absorption (λ-max) : 357 nm(ethanol)
Fluorescence (λ-max) : 428 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
N2(337)	427	417-446	1.85	ethanol

LT-D1213C

7-amino-4-methyl-2H-1-benzopyran-2-one



Formula : $C_{10}H_9NO_2$
MW : 175.15 g/mole
CAS No. : 26093-31-2
Absorption (λ-max) : 354 nm(ethanol)
Fluorescence (λ-max) : 428 nm(ethanol)

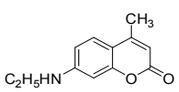
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
N2(337)	437	417-473	0.4	ethanol
XeCl(308)	438	422-466	1.23	methanol

Reference : 1.Appl. Optics, 20, 3553(1981)

LT-D1214C

7-(ethylamino)-4-methyl-2H-1-benzopyran-2-one



Formula : $C_{12}H_{13}NO_2$
MW : 203.24 g/mole
CAS No. : 28821-18-3
Absorption (λ-max) : 363 nm(methanol)
Fluorescence (λ-max) : 430 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	445	423-445		MeOH/H2O =1/1

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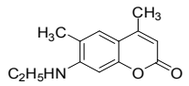
LT-D1215C

7-(ethylamino)-4,6-dimethyl-2H-1-benzopyran-2-one



Formula : $C_{13}H_{15}NO_2$
MW : 217 g/mole
CAS No. : 26078-25-1
Absorption (λ-max) : 366 nm(ethanol)
Fluorescence (λ-max) : 435 nm(ethanol)

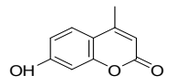
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	450	427-488	0.04	methanol
XeCl(308)	451	430-481	1.6	methanol
Nd:YAG(355)	452	436-468	0.065	methanol

Reference : 1.Appl. Optics, 13(10), 2317(1974)

LT-D1216C

7-hydroxy-4-methylcoumarin



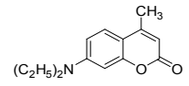
Formula : $C_{10}H_8O_3$
MW : 176.17 g/mole
CAS No. : 90-33-5
Absorption (λ-max) : 372 nm(ethanol)
Fluorescence (λ-max) : 445 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	454		0.15	ethanol

LT-D1217C

7-(diethylamino)-4-methyl-2H-1-benzopyran-2-one



Formula : $C_{14}H_{17}NO_2$
MW : 231.3 g/mole
CAS No. : 91-44-1
Absorption (λ-max) : 373 nm(ethanol)
Fluorescence (λ-max) : 446 nm(ethanol)

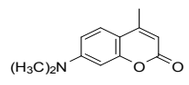
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	457	450-484	0.035	ethanol
XeCl(308)	457	440-478	0.23	ethanol
Nd:YAG(355)	460	442-480	0.25	ethanol

Reference : 1.Appl. Optics, 24(7), 937(1985)

LT-D1218C

7-(dimethylamino)-4-methyl-2H-1-benzopyran-2-one



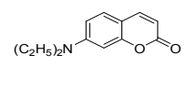
Formula : $C_{12}H_{13}NO_2$
MW : 203.24 g/mole
CAS No. : 87-01-4
Absorption (λ-max) : 366 nm(ethanol)
Fluorescence (λ-max) : 453 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL		448-466	0.045	ethanol

LT-D1219C

7-(diethylamino)-2H-1-benzopyran-2-one



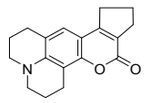
Formula : $C_{13}H_{15}NO_2$
MW : 217.26 g/mole
CAS No. : 20571-42-0
Absorption (λ-max) : 368 nm
Fluorescence (λ-max) : 465 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	474	462-487	0.017	methanol
XeCl(308)	470	449-505	0.54	methanol
Nd:YAG(355)	462	450-485	0.22	ethanol

LT-D1220C

2,3,6,7,10,11-hexahydro-1H,5H-cyclopenta[3,4][1]benzopyrano[6,7,8-*ij*]quinolizin-12(9H)-one



Formula : $C_{18}H_{19}NO_2$
MW : 281.36 g/mole
CAS No. : 41175-45-5
Absorption (λ-max) : 386 nm(ethanol)
Fluorescence (λ-max) : 465 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	478			ethanol

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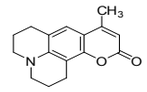
LT-D1221C

2,3,6,7-tetrahydro-9-methyl-1H,5H,11H-[1]benzopyrano-[6,7,8-*ij*]quinolizin-11-one



Formula : $C_{16}H_{17}NO_2$
MW : 255.32 g/mole
CAS No. : 41267-76-9
Absorption (λ-max) : 390 nm(ethanol)
Fluorescence (λ-max) : 468 nm(ethanol)

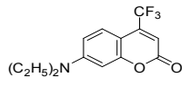
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	474	456-505	0.04	ethanol
XeCl(308)	476	461-506	0.77	methanol

Reference : 1.NEW Durham, NH03855

LT-D1222C

7-(diethylamino)-4-(trifluoromethyl)-2H-1-benzopyran-2-one



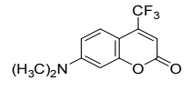
Formula : $C_{14}H_{14}F_3NO_2$
MW : 285.26 g/mole
CAS No. : 41934-47-8
Absorption(λ-max) : 404 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	481	475-489	0.04	p-Dioxane
XeCl(308)	485	461-515	3.3	p-Dioxane

LT-D1223C

7-(dimethylamino)-4-(trifluoromethyl)-2H-1-benzopyran-2-one



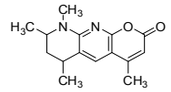
Formula : $C_{12}H_{10}F_3NO_2$
MW : 257.21 g/mole
CAS No. : 53518-14-2
Absorption (λ-max) : 397 nm(ethanol)
Fluorescence (λ-max) : 511 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	479			p-Dioxane
XeF(351)	519	494-566	2.6	ethanol

LT-D1224C

6,7,8,9-tetrahydro-6,8,9-trimethyl-4-(trifluoromethyl)-2H-pyrano[2,3-*b*][1,8] naphthyridin-2-one



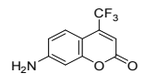
Formula : $C_{15}H_{15}F_3N_2O_2$
MW : 312.29 g/mole
CAS No. : 62377-37-1
Absorption (λ-max) : 392 nm(ethanol)
Fluorescence (λ-max) : 480 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	489	471-535	1.66	methanol

LT-D1225C

7-amino-4-(trifluoromethyl)-2H-1-benzopyran-2-one



Formula : $C_{10}H_6F_3NO_2$
MW : 229.16 g/mole
CAS No. : 53518-15-3
Absorption (λ-max) : 381 nm(ethanol)
Fluorescence (λ-max) : 482 nm(ethanol)

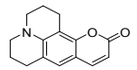
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	490	467-510	0.05	methanol

Reference : 1.Appl. Optics, 17(20), 3268(1978)

LT-D1226C

2,3,6,7-tetrahydro-1H,5H,11H-[1]benzopyrano[6,7,8-*ij*]-quinoliz-11-one



Formula : $C_{15}H_{15}NO_2$
MW : 241.37 g/mole
CAS No. : 58336-35-9
Absorption (λ-max) : 396 nm(methanol)
Fluorescence (λ-max) : 475 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	480	460-523	0.024	ethanol

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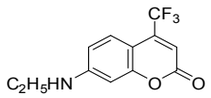
LT-D1227C

7-(ethylamino)-4-(trifluoromethyl)-2H-1-benzopyran-2-one



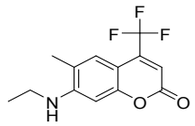
Formula : $C_{12}H_{10}F_3NO_2$
MW : 257.21 g/mole
CAS No. : 52840-38-7
Absorption (λ-max) : 392 nm(methanol)
Fluorescence (λ-max) : 495 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	506	478-568	2.1	methanol
Nd:YAG(355)	500	494-504	0.26	ethanol

LT-D1228C

7-(ethylamino)-6-methyl-4-(trifluoromethyl)-2H-1-benzopyran-2-one



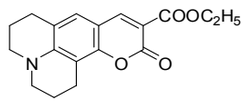
Formula : $C_{13}H_{12}F_3NO_2$
MW : 271.24 g/mole
CAS No. : 55804-70-1
Absorption (λ-max) : 395 nm(methanol)
Fluorescence (λ-max) : 490 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	500	480-537	1.9	methanol
Nd:YAG(355)	500	480-541	0.4	ethanol

LT-D1229C

2,3,6,7-tetrahydro-11-oxo-1H,5H,11H-[1]benzopyrano[6,7,8-*ij*]quinolizine-10-carboxylic acid, ethyl ester



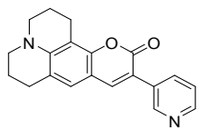
Formula : $C_{18}H_{19}NO_2$
MW : 313.34 g/mole
CAS No. : 55804-66-5
Absorption (λ-max) : 437 nm(methanol)
Fluorescence (λ-max) : 479 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	505	496-519		MeOH/H2O =1/1

LT-D1230C

2,3,6,7-tetrahydro-10-(3-pyridinyl)-1H,5H,11H-[1]benzopyrano[6,7,8-*ij*]quinolizin-11-one



Formula : $C_{20}H_{18}N_2O_2$
MW : 318 g/mole
CAS No. : 87349-92-6
Absorption (λ-max) : 426 nm(ethanol)
Fluorescence (λ-max) : 496 nm(ethanol)

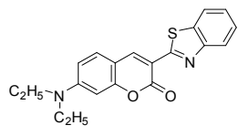
Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	511	505-518		ethanol

Reference : 1.Optic Commun., 47(1) 57(1983)

LT-D1231C

3-(2-benzothiazolyl)-7-(diethylamino)-2H-1-benzopyran-2-one



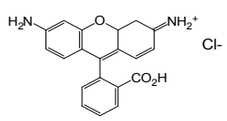
Formula : $C_{20}H_{18}N_2O_2S$
MW : 350.44 g/mole
CAS No. : 38215-36-0
Absorption (λ-max) : 460 nm(ethanol)
Fluorescence (λ-max) : 507 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	531	511-556	0.035	methanol methanol

LT-D1232C

2-(6-amino-3-imino-3H-xanthen-9-yl)-benzoic acid,monohydrochloride;
2-(6-amino-3-imino-3H-xanthen-9-yl)-benzoic acid



Formula : $C_{20}H_{14}N_2O_3 \cdot HCl$
MW : 366.8 g/mole
CAS No. : 13558-31-1
Absorption (λ-max) : 508 nm(methanol)
Fluorescence (λ-max) : 532 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	554	530-580	0.18	methanol
XeCl(308)	555	544-580	1.1	methanol

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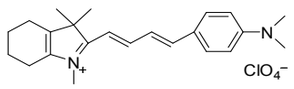
LT-D1233C

2-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1,3,3- trimethyl-3H-indolium perchlorate



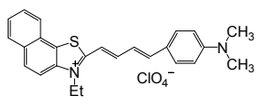
Formula : $C_{23}H_{27}N_2 \cdot ClO_4$-
MW : 430.93 g/mole
CAS No. : 76433-27-7
Absorption (λ-max) : 605 nm(methanol)
Fluorescence (λ-max) : 670 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(532)	716	692-743		methanol

LT-D1234C

2-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-3-ethyl-naphtho[2,1-*d*]thiazolium perchlorate



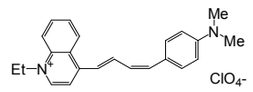
Formula : $C_{25}H_{26}N_2S \cdot ClO_4$-
MW : 484 g/mole
CAS No. : 89872-07-1
Absorption (λ-max) : 573 nm(methanol)
Fluorescence (λ-max) : 706 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(532)	718	700-743	0.15	methanol

LT-D1235C

4-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1-ethyl quinolinium perchlorate



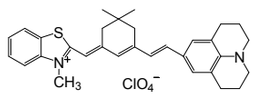
Formula : $C_{23}H_{25}N_2 \cdot ClO_4$-
MW : 428.9 g/mole
CAS No. : 92479-59-9
Absorption (λ-max) : 558 nm(methanol)
Fluorescence (λ-max) : 766 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(532)	785	758-826	0.14	ethanol

LT-D1236C

2-(6-(9-(2,3,6,7-tetrahydro-1H,5H-benzo(*i,j*)quinolizinium)))-2,4-neopentylene-1,3,5-hexatrienyl)-3-methylbenzothiazoliumperchlorate



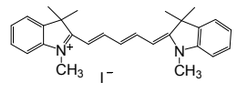
Formula : $C_{31}H_{35}N_2S \cdot ClO_4$-
MW : 567.15 g/mole
CAS No. : 385437-35-4

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(532)	880	856-918	0.57	propylene carbonate
XeCl(308)	881	856-919	1.14	DMSO

LT-D1237C

2-[5-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-1,3-pentadienyl]-1,3,3-trimethyl-3H-indolium iodide or(1,1',3,3,3',3'-hexamethyl-2,2'indodicarbocyanine iodide)



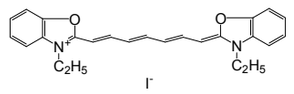
Formula : $C_{27}H_{31}N_2 \cdot I$-
MW : 510.46 g/mole
CAS No. : 36536-22-8
Absorption (λ-max) : 643 nm(ethanol)
Fluorescence (λ-max) : 670 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(585)	675		0.1	methanol

LT-D1238C

3-ethyl-2-[7-(3-ethyl-2(3H)-benzoxazolylidene)-1,3,5- heptatrienyl]-benzoxazolium iodide



Formula : $C_{25}H_{25}N_2O_2 \cdot I$-
MW : 512.39 g/mole
CAS No. : 15185-43-0
Absorption (λ-max) : 686 nm(ethanol)
Fluorescence (λ-max) : 726 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	798	777-800	0.77	DMSO
N2(337)	777	762-802	0.61	DMSO

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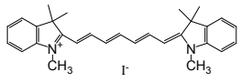
LT-D1240C

2-[7-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-1,3,5-heptatrienyl]-1,3,3-trimethyl-3H-indolium iodide



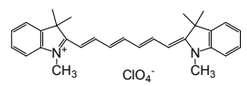
Formula : $C_{29}H_{33}N_2 \cdot I^-$
MW : 536.5 g/mole
CAS No. : 19764-96-6
Absorption (λ-max) : 751 nm(DMSO)
Fluorescence (λ-max) : 792 nm(DMSO)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	826	812-838	0.75	methanol
XeCl(308)	851	822-887	1.23	DMSO
N2(337)	846	828-891	1	DMSO

LT-D1241C

2-[7-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-1,3,5-heptatrienyl]-1,3,3-trimethyl-3H-indolium perchlorate



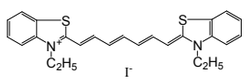
Formula : $C_{29}H_{33}N_2 \cdot ClO_{4^-}$
MW : 509.04 g/mole
CAS No. : 16595-48-5
Absorption (λ-max) : 750 nm(DMSO)
Fluorescence (λ-max) : 790 nm(DMSO)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	826	812-838	0.75	methanol
XeCl(308)	851	822-887	1.23	DMSO
N2(337)	846	828-890	1	DMSO

LT-D1242C

3-ethyl-2-[7-(3-ethyl-2(3H)-benzothiazolylidene)-1,3,5- heptatrienyl]-benzothiazolium iodide



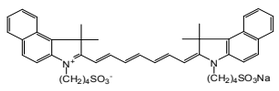
Formula : $C_{25}H_{25}N_2S_2 \cdot I^-$
MW : 544.51 g/mole
CAS No. : 3071-70-3
Absorption (λ-max) : 761 nm(ethanol)
Fluorescence (λ-max) : 813 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
XeCl(308)	849	828-883	0.42	DMSO
XeCl(308)	879	836-925	0.38	DMSO
N2(337)	855	840-877	0.65	DMSO

LT-D1243C

2-[7-[1,3-dihydro-1,1-dimethyl-3-(4-sulfobutyl)-2H-benz[e]indol-2-ylidene]-1,3,5-heptatrienyl]-1,1-dimethyl-3-(4-sulfobutyl)-1H-benz[e]indolium hydroxide,inner salt, sodium salt



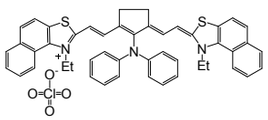
Formula : $C_{43}H_{48}N_2O_6S_2 \cdot Na$
MW : 774.97 g/mole
CAS No. : 3599-32-4
Absorption (λ-max) : 795 nm(DMSO)
Fluorescence (λ-max) : 832 nm(DMSO)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
Nd:YAG(532)	863	845-905	0.08	DMSO
N2(337)	887	872-935	1	DMSO

LT-D1244C

2-[2-[2-(diphenylamino)-3-[(1-ethylnaphtho[1,2-*d*]thiazol-2(H)-ylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-1-ethyl-naphtho[1,2-*d*]thiazolium perchlorate



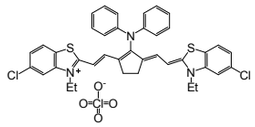
Formula : $C_{47}H_{40}N_3S_2 \cdot ClO_{4^-}$
MW : 810.42 g/mole
CAS No. : 54849-65-9
Fluorescence(λ-max) : 839 nm(methanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	972			

LT-D1245C

5-chloro-2-[2-[3-[(5-chloro-3-ethyl-2(3H)-benzothiazol- ylidene)ethylidene]-2-(diphenylamino)-1-cyclopenten-1-yl]ethenyl]-3-ethyl benzothiazolium perchlorate



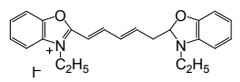
Formula : $C_{39}H_{34}Cl_2N_3S_2 \cdot ClO_{4^-}$
MW : : 779.2 g/mole
CAS No. : : 53655-17-7
Absorption (λ-max) : : 822 nm(DMSO)
Fluorescence (λ-max) : : 881 nm(DMSO)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	950			
XeCl(308)	880	868-900	0.25	DMF
N2(337)	912	896-939	1.17	DMSO

LT-D1246C

3-ethyl-2-[5-(3-ethyl-2(3H)-benzoxazolylidene)-1,3-pentadienyl]-benzoxazolium iodide



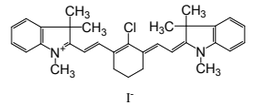
Formula : $C_{23}H_{23}N_2O2 \cdot I^-$
MW : 486.35 g/mole
CAS No. : 14806-50-9
Absorption (λ-max) : 582 nm(ethanol)
Fluorescence (λ-max) : 610 nm(ethanol)

Dye Laser Characteristics

Pump source (nm)	Lasing wavelength Peak(nm)	Lasing wavelength Range(nm)	Concentration (g/L)	Solvent
FL	662			DMSO

LT-D1248C

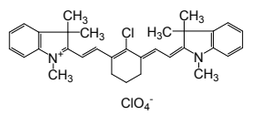
2-[2-[2-chloro-3-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-ethylidene]-1-cyclohexen-1-yl]ethenyl]-1,3,3-trimethylindolium iodide]



Formula : $C_{32}H_{36}ClN_2 \cdot I^-$
MW : 611.02 g/mole
Absorption(λ-max) : 775 nm(methanol)
Fluorescence(λ-max) : 817 nm(ethanol)

LT-D1249C

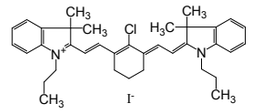
2-[2-[2-chloro-3-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene) ethylidene]-1-cyclohexen-1-yl]-ethenyl]-1,3,3-trimethyl-1H-indolium perchlorate



Formula : $C_{32}H_{36}ClN_2 \cdot ClO_{4^-}$
MW : 583.56 g/mole
Absorption(λ-max) : 776 nm(methanol)

LT-D1250C

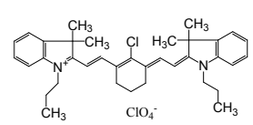
2-[2-[2-chloro-3-[(1,3-dihydro-3,3-dimethyl-1-propyl-2hindol-2-ylidene)-ethylidene]-1-cyclohexen-1-yl]-ethenyl]-3,3-dimethyl-1-propylindolium iodide]



Formula : $C_{36}H_{44}ClN_2 \cdot I^-$
MW : 667.12 g/mole
Absorption(λ-max) : 776 nm(methanol)
Fluorescence(λ-max) : 817 nm

LT-D1251C

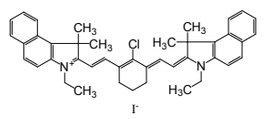
2-[2-[2-chloro-3-[(1,3-dihydro-3,3-dimethyl-1-propyl-2H-indol-2-ylidene)- ethylidene]-1-cyclohexen-1-yl]-ethenyl]-3,3-dimethyl-1-propyl-1H-indolium perchlorate



Formula : $C_{36}H_{44}ClN_2 \cdot ClO_{4^-}$
MW : 639.66 g/mole
Absorption(λ-max) : 778 nm(methanol)

LT-D1253C

2-[2-[2-chloro-3-[2-(1,3-dihydro-3,3-dimethyl-1-ethyl-2H-benz[*e*]indol-2-ylidene) ethylidene]-1-cyclohexen-1-yl]-ethenyl]-3,3-dimethyl-1-ethyl-1H-benz[e]indolium iodide



Formula : $C_{42}H_{44}ClN_2 \cdot I$
MW : 739.18 g/mole
Absorption(λ-max) : 815 nm(methanol)

Materials are used by qualified for testing and research only, there are not guaranteed in patent contention by customer use.

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