

Lumtec provides custom synthesis tailored to customers' specific needs in research and study. With the certification of ISO 9001 and 14001, Lumtec aims to provide our customers the best service. All inquiries of custom synthesis will be submitted to our technicians for thorough evaluations. The specification of custom products (product volume, purity, Mw, etc.) will be confirmed and agreed before the production proceeds. If necessary, non-disclosure agreements or other business agreements could be arranged and signed.

During the production we will keep our customers well-informed about the synthesis status. Analysis reports can be provided upon request.

## Capacity and Equipment

- Production Line
  - 20 sets of 30~500 Liter Reactors, capacity 1 ton/month
- Sublimation Line
  - 12 sets of Sublimation Purify System, capacity 200 kg/month
- Analysis Instrument
  - HPLC, NMR, LC-MS, GPC, TGA, UV, PL, etc.
- Clean Room
  - ITO Etching & Patterning
  - Device Fabrication

## Specific Reaction

- Ullmann reaction
- Cyanation reaction
- Elimination reaction
- Friedel-Crafts reaction
- Alkylation/Acylation
- Grignard reaction
- Wittig reaction
- Sandmeyer reaction
- Sonogashira reaction
- Suzuki reaction
- Baeyer-Villiger Oxidation
- Vilsmeier reaction
- Williamson reaction
- Catalytic hydrogenation
- Knoevenagel condensation