

Lumtec provides custom synthesis tailored to customers' specific needs in research and study. All inquiries of custom synthesis will be submitted to our chemists 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 300 kg/month
- Analysis Instrument
 - HPLC, NMR, FD-MS, GC-FID, EA, GPC, TGA/DTA, UV, PL, etc.
- Clean Room
 - ITO Etching & Patterning
 - Device Fabrication

Specific Reaction

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