

Lipid and Polymer Chemistry

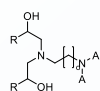
WuXi Chemistry Research Chemistry Services (RCS) Nanomedicine Platform supports your research on synthesis of lipids and polymers and in formulation of small molecule drugs or oligos to form liposomes and lipid nanoparticles (LNPs).

Broad Lipids Capability

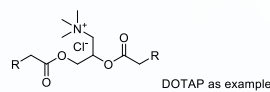
Ionizable Lipids



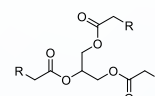
Branched Lipids



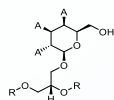
Cationic Lipids



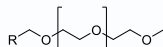
Glycerolipids



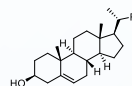
Sugar Derivatives



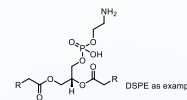
PEG Derivatives



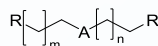
Cholesterols



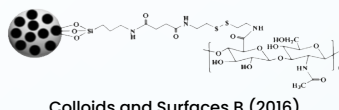
Phospholipids



Thio-Derivatives



Si-Hybrids

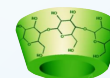


Colloids and Surfaces B (2016)

Au/Ag-Hybrids



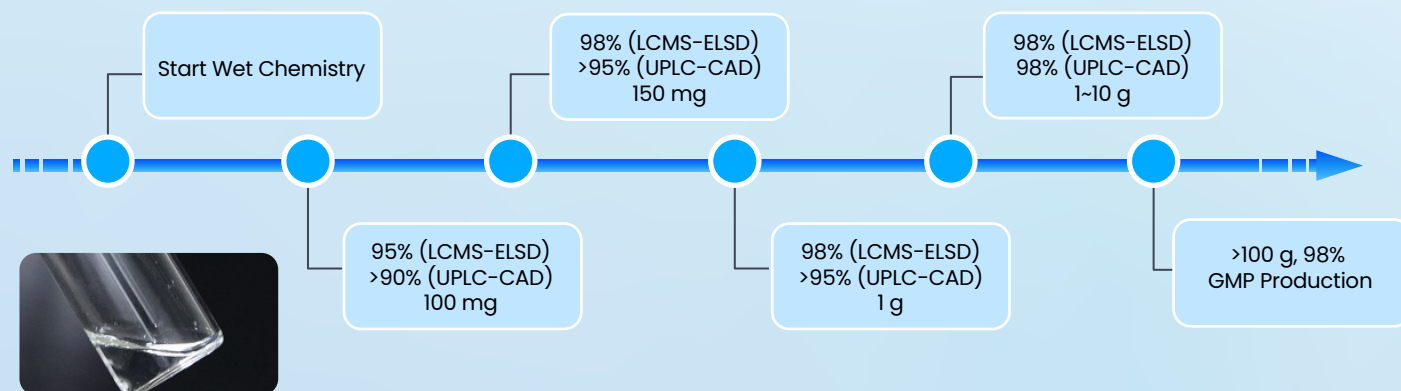
Multi-functional



Note:

✓ The structure is only an example for each type, more lipids are available.

Lipid Synthesis Case Study



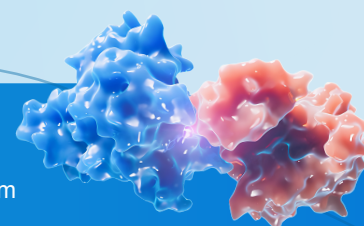
Pure lipid as colorless oil (UPLC-CAD: >99%)



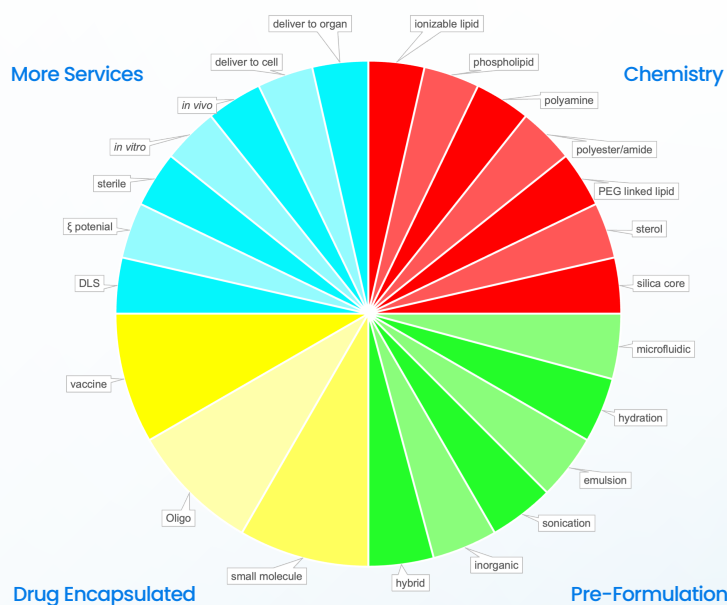
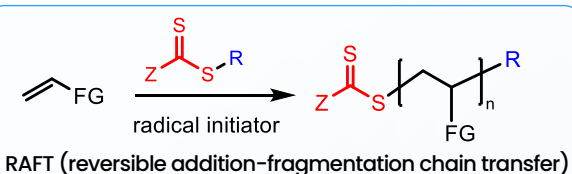
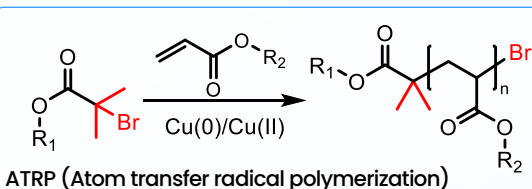
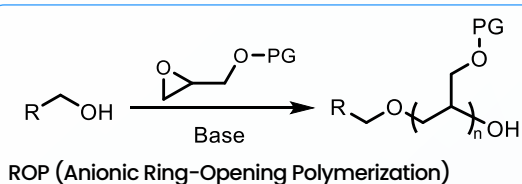
Contact us

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Broad Polymers & LNP Pre-Formulation Capability



Showcase of Nanomedicine Platform

2000+

Delivery

- Rich experience
- More than 6 years' development
- >2000 compounds/year

1000+

Fragment Stock

- Inventory fragment diversification(1000+)
- Scale from g to kg
- 15+ has kg stock
- Matrix enumeration

200+

Chemists

- Veteran Leaders
- Strong specific ability
- Rich experience
- >60% 3 years' experience
- FFS (Fee-for-Service) or FTE (Full-time Equivalent) model

40+

Clients

- US
- EU
- Asia
- Pharma
- BioTech
- NPO etc.