

Chemical Reaction Capabilities

Chemical Reaction Experience & Capabilities

In addition to the classic methods of organic synthesis, Olon Ricerca's process chemists and engineers have extensive experience with modern complex multi-step organic processing utilized for the production of innovative pharmaceuticals and specialty chemicals. A representative list of chemistries and reagents that have been successfully scaled and operated in our kilo lab and plant facilities is given below. If your requirements are not listed, **PLEASE ASK US!** It is likely that we have related experience since we are continually adding capabilities to our technology base.

- Cross-Coupling Reactions – Suzuki, Heck, Sonogashira, Negishi, Buchwald-Hartwig, Ullman
- Mitsunobu Reaction
- Chiral Synthesis
- Homogeneous Chiral Catalysis
- Chiral Resolution – classical, enzymatic, auxiliaries
- Hydrogenation – supported and homogeneous catalysts. Pressure to 450 psig
- Asymmetric Hydrogenation – precious metal complex catalysts
- Organic Azide Reactions
- Propoxylations
- Polymerizations – solution-based
- Grignard Reagents – Formation and reaction
- Pyrophorics - n-BuLi, t-BuLi, LiAlH₄, MeLi, DiBAL-H, Vitride, Borane complexes, Raney, Nickel
- Chlorination – Cl₂, SOCl₂, PCl₃, PCl₅, POCl₃
- Brominations – Br, PBr₃, NBS
- Production scale chromatographic separations

Olon Ricerca Bioscience: Your development partner of choice

Olon Ricerca Bioscience, a contract development organization, provides science-based services to the pharmaceutical, biotech, and specialty chemical industries for the development and commercialization of new innovative products. Olon Ricerca's 160,000 ft² complex is located on a 25-acre site in Concord, Ohio. The facility is equipped with a full complement of well-maintained instrumentation and processing equipment operated in rigorous regulatory compliance to the highest quality standards.

