

Chemical Reaction Capabilities

Chemical Reaction Experience & Capabilities

In addition to the classic methods of organic synthesis, Olon USA'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.

- 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 USA: Your research partner of choice

Olon USA, 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 USA'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.





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