



A I M S
FINE CHEMICALS INC.

AIMS works to enable research scientists and manufacturing chemists to achieve their project and business goals. We provide custom solutions that include new molecule development, lead-optimization, custom synthesis of advanced intermediates through process development, and scale-up for commercial manufacturing. AIMS is backed by a team whose goal is to provide best practice expertise to clients working around the world.



Collaborations

AIMS & Hazard Evaluation Laboratory work in partnership to offer a seamless range of development and testing services as well as state-of-the-art computer controlled laboratory and pilot plant equipment. Our strengths include:

- Development of New Chemical Synthesis Routes
- Small Scale Production
- Process Optimization
- Thermal Screening
- Isothermal Calorimetry
- Adiabatic Calorimetry (Including Low j Factor Testing)
- Dust and Powder Flammability Testing
- Reactor Pressure Relief Line Sizing
- Continuing Education
- Bespoke Reactor Systems with Robotics
- Adiabatic and Isothermal Calorimeters

Research and Development

- Discovery of Novel Compounds (NCEs Synthesis)
- New Libraries
- Process Technology Research

AIMS' FTE program (Full Time Equivalent) is ideal for exploratory work, fundamental research, lead optimization, process development and method validation. The service may be provided for periods ranging from weeks to years.

The AIMS team comprises of experienced Ph.D., Masters and Chemical Engineers and other technical personnel. This highly motivated team has experience in a variety of chemistries, including:

Asymmetric synthesis,
Heterocycles,
Amino Acids,
Small Peptides
Resins and Linkers, etc.

Reaction Capabilities:

Acylation
Alkylation
Arylation
Cyanations
Grignards
Halogenations
Hydrogenation
Lithiation
Metal Reductions
Nitration
Phosgenation
Reduction
Sulfonation



Custom Manufacturing Activities

Milligram to Multi-Kilogram Synthesis
Multi-Step Synthesis Process R&D
Advanced Intermediates
Biotinylation Agents
Chiral and Achiral Building Blocks
Combinatorial Chemistry
DNA Recognition Agents
Functionalized Polystyrene Resins
Heterocycles
Immunogold
Libraries
Linkers for Combinatorial Chemistry
Oligonucleotide Synthesis
Peptide Coupling Reagents
Unnatural Pure Amino Acids and their Derivatives
Wittig Reagents



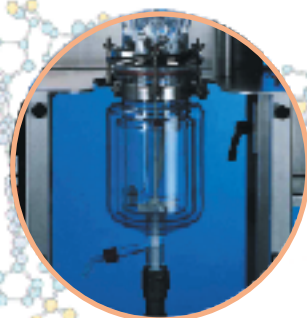
Facilities and Equipment



6000 square feet of Lab space
Walk-in and Bench top Fume Hoods
Glassware up to 100L
Continuous Reaction and Processing Facility
Stainless Steel Reactor - 500L
Buchi Rotavapors Up to 50L
Quantitative Chromatography Systems
Nutsche Filters
Filter- Dryers
Solvent Recovery System
Chilling Capacity- 5 tons

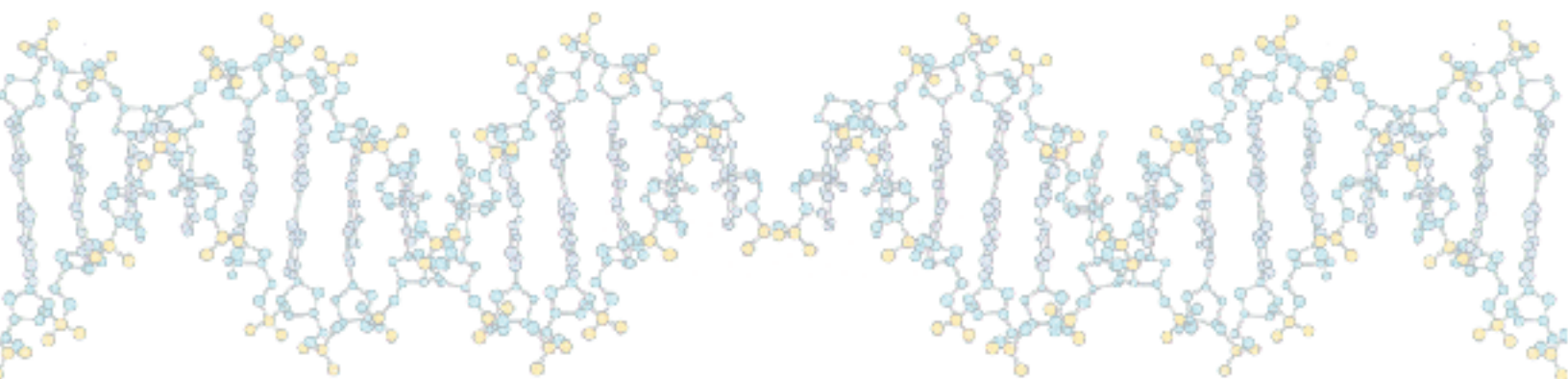
Quality Assurance:

HPLC (Analytical and Preparative)
GC
NMR
FT- IR
FT-UV etc.



Our Motto

If you can dream it - we can make it



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