



CD ChemGroup

Your Partner in Precision Chemistry

New Jersey, USA

CD ChemGroup, encompassing Chemo Dynamics, ChemHub, and Princeton Global Syntheses delivers CRO and CMO services from early-stage synthesis to large-scale production.

With 60+ years of expertise, we streamline your path from concept to commercialization with innovation, reliability, and scientific logic

**Outsource intelligently
by choosing the
right CRO**

What we can offer for you

- Flavor & Fragrance
- Pheromones
- Discovery Chemistry
- Chiral molecules
- Multistep Synthesis
- Labelled molecules
- Metathesis
- Process R&D and Route Scouting
- Process Development and optimization

**Focus on
WHO not How**

***We listen to you and accelerate
your product development to help
you enter the market faster.***

Our Facility & Equipment



Analytical Lab 1



Analytical Lab 2



QC facility



Prep-HPLC



TLC-MS Instrument



Lab 2



Lab 3



50 L Rotavapor, 2



GMP Lab 1, 50 L Reactor



GMP Lab 2, 50 L Reactor and 22 L Rotavapor



Off-Hour Reaction Monitoring

Equipment

- Glassware: Research-Micro glassware up to 5L
- Process-12, 22, 50, 72 and 100L glass vessels
- Rotary Evaporators: Standard, from 20L to 100L
- High pressure reactors: up to 5 gallon and 1000 psi up to 25 gallon and 250 psi
- Stainless Steel Reactors: up to 80 gallon
- Column Chromatography: Standard lab scale up to 8 ft. tall
- Parr Shakers: Up to 1L
- Vacuum drying ovens: To several kilos
- Temperature range: -78° to 200° C
- 300 L SS reactors
- 100 L reactors

Facility

- 20,000 sq.ft.
- Situated on 5 acres of land
- cGMP suite
- State of the art Analytical Lab
- Seven Fully Equipped Wet Chemistry Labs
- Multiple walk-in hoods



Our Core Services

CRO Services

- Custom non-GMP Synthesis
- cGMP Synthesis
- Contract Research
- Medicinal Chemistry
- Process Chemistry
- Route Scouting
- Analytical Method
- Development
- Clinical Phase I & II Studies
- Reference compounds
- Drug metabolites
- Process impurities

CMO Services

- Scale up and Kg Scale
- Production
- Custom manufacturing
- Toll manufacturing
- Back end Supplier
- Stability Studies

Discover our full strength

- GC With Autosampler And Chemstation Software
- Headspace Analyzer
- HPLC With Autosampler And Several Detectors
- GC-MS
- FT-IR
- UV-VIS Spectrophotometer
- Polarimeter

cGMP

- 8 ft & 12 ft Walk-in Hood In
- Separate Rooms
- Raw Material and Product
- Quarantine Areas
- ICH Guidelines
- Q7A SOP
- Up To 100L Glass Reactors
- Rotary Evaporator

What Chemo Dynamics Group can offer

TYPICAL PRODUCTS

- Semi synthetic cholesterol from natural sustainable plant source
- Vitamin K2 from natural
- Corey lactone as KSM for Prostaglandins
- Chiral Phosphine catalysts
- Boronates and Boron related catalysts
- Ultra High Purity Oleic acid or transdermal application

KEY CATEGORIES

- Flavors & Fragrances
- Pheromones
- Functional Ingredients
- Prostaglandins
- Active Pharmaceuticals
- Specialty Products
- Natural Products



Capabilities



Chemistry Capabilities

- Multi-Step Organic Synthesis
- Asymmetric Crown Ether Chemistry
- Prostaglandin Chemistry
- Bio-Polymer Chemistry



Analytical Capabilities

- UV-VIS Spectrophotometer
- Polarimeter
- Karl-Fischer Titrator
- Differential Scanning Calorimeter



Reaction Capabilities

- Most Named Reactions
- Asymmetric Synthesis
- Enzymatic Reactions
- Hydrogenation

Our goal, motto, and attitude are to ensure cost-efficient and timely services following ICH guidelines.

Our staff is composed primarily of Ph.D. Chemists who are not only talented at the bench, but ready to discuss and recommend alternate ways to do your job. We are accustomed to working under Secrecy Agreements and respect the strictest criteria for confidentiality.

OUR MISSION

We would be excited to become part of your outsource team, providing Custom Synthesis and Process Development while minimizing your time to market. Our people adhere to the highest scientific and ethical standard with the goal of providing the finest customer service in the industry.

OUR BUSINESS MODEL

We are focused organization to understand that rapid turnaround time and high quality production are important to our customers. While some vendors specialize in particular areas of chemistry, we focus on doing chemistry.



OUR PROMISE

- Quality Products
- Competitive Pricing
- IP Protection
- Superior Service

Scan to know more



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