

PR&D and Scaleup Services

From lab-scale R&D to large-scale production (g to kg)

In our 20+ years of experience working on fast-paced drug discovery projects with companies across the globe, we have prepared thousands of new chemical entities. We put this experience together, along with our talented staff and high-end infrastructure, to offer high-quality and cost-effective services for your 'development' projects.

Key Highlights

- The Non-GMP PR&D lab designed to ensure safety and operational efficiency
- The kilo lab has a full range of 20L, 50L, and 100L jacketed glass reactors
- Temperature ranging from -35 °C to 200 °C
- State-of-the-art glass reactor assemblies incorporate advanced features
- Utilisation of flame-proof connections and static discharge mechanisms
- Equipped with Thermal Screening Unit and Differential Scanning Calorimetry
- Per batch manufacturing output from grams to lower kilograms

Our Offerings

- Flash purification machine to support large scale purification
- Route scouting for novel, cost-effective, and scalable ROS
- Process development and optimisation for pre-clinical supplies
- Scale-up of intermediates, building blocks, and final targets
- Analytical method development & large-scale purification support
- Synthesis, isolation, and characterisation of process impurities
- TSE/BSE certification and metal content analysis
- Milestone-based project tracking with thorough and real-time communication
- Supply of detailed tech pack with active assistance for technology transfer
- A dedicated analytical team to support real time QC and method development
- GMP Synthesis Support (via channel partners)

In-house Equipment Suite

A comprehensive range of equipment (Analytical, Reaction Technology and Purification) for 'speed' of project delivery:

Analytical
SFC-Analytical
NMR(400 MHz-Bruker)
LCMS
HPLC-Reverse Phase
HPLC-ELSD Detectors
HPLC-Chiral/Normal Phase
GC
LCMS/MS
Polarimeter
Karl Fischer Titrator

Scale-Up Reaction Equipment
20 L Rotavapor
Hydrogenator 1, 2, 5 and 10L
20 L Glass reactor non-Jacket (Temp range 25°C to 250°C)
50 L Rotavapor reactor non-Jacket (Temp range 25°C to 250°C)
50 L Rotavapor reactor with dean stark (Temp range -60°C to 250°C)
100 L Glass reactor (Temp range -40°C to 250°C)
Large Nutsche Filter

Purification
Scale Up Flash Purification System
Semi-Prep HPLC System
SFC-Preparative (mg, gm, Kg-scale)
Prep HPLCs

