



Get your ideas synthesized at Eurofins Advinus

- Eurofins Advinus Limited is a leading Contract Research Organization based in Bangalore, India.
- Our Chemistry Services support discovery, preclinical and early clinical development programs. We provide services in diverse areas of chemistry such as Asymmetric synthesis, Organometallic chemistry, Natural products analogs, Peptides, Nucleosides, Carbohydrate chemistry etc.
- Our expertise includes milligram scale to multi kilogram scale synthesis to support various stages discovery and development. Our chemistry services are available on both fee-for-service (FFS) and full-time equivalent (FTE) basis.
- Our best-in-class infrastructure, QP-audited cGMP facility and proficiency in discovery chemistry and process research enables us to develop cost-effective, environment friendly, safe and robust processes for speedy development of drug candidates.



Discovery Chemistry

Integrated Drug Discovery Services

- Drug design
- Patent busting approach
- Medicinal chemistry, ADMET/ DMPK and biology

Medicinal Chemistry Services (Standalone)

- Hit identification and expansion
- Hit-to-Lead generation
- Lead optimization
- Focused library design and synthesis
- Scaffolds & building blocks
- Reference compounds
- Pro-drugs
- Metabolite identification & synthesis
- Stable label compounds (Deuterium labeled)

Custom Synthesis

- From gram to several kilograms scale (non-GMP or GMP compliance)
- Exotic raw materials, advanced intermediates and regulatory starting materials
- Scaffolds, stable metabolites, impurities, reference standards, etc.





Process Chemistry

- Process development, optimization and scale-up
- NCEs and NCE intermediates
- cGMP synthesis of drug substance
- API and intermediates
- Custom chemical synthesis
- What-if studies that ensures process safety
- Hazard operability analysis (HAZOP)
- Environmental health and safety (EHS)
- Atom economy
- Process improvement

Analytical Chemistry

We provide wide range of analytical services as a part of CMC/ Process Development package or as standalone services.

- Method development and validation
- Method verification and transfer
- Forced degradation and Stability testing (as per ICH)
- Pre-formulation R&D
- Documentation for regulatory submissions
- Impurity isolation, identification (characterization) and profiling
- Isolation, characterization and supply of stable metabolites
- Reverse phase and normal phase (chiral compounds) separations by prep HPLC
- State-of-the-art analytical/QC laboratories equipped with modern instruments -
 - HPLCs, Head space GCs, Prep HPLCs, Polarimeters, Karl-Fischer auto-titrator
 - LC-MS/MS, GC-MS, FTIR, NMR – 400 MHZ Stability chambers, Photo stability chamber



Capabilities Include:

- Well-equipped, QP-audited cGMP facility/ capabilities to produce high quality NCE material using cost-effective processes in quantities sufficient to support preclinical development, Phase I & Phase II studies
- Spacious kilo-labs and pilot-plants for scale-up and production of APIs and advanced intermediates
- Experienced synthetic organic chemists with deep understanding of drug discovery and development to ensure speedy and flawless execution of CMC campaigns in a cost-effective manner
- Excellent team of analytical chemists, chemical engineers and quality assurance team to follow a regulatory-driven, phase-appropriate process development strategy to support various stages of CMC cycle

State-of-the-art Laboratories Equipped With-

- Combi flash for purifications
- Parallel synthesizers
- Reaction microwaves
- Autoclaves : 50 mL to 2.0 L, 20 L, 100 L
- cGMP compliant clean rooms (ISO 8, Class 100000)
- Glass lined reactors 250 L - 630 L
- SS reactors 200 L - 500 L
- All glass reactor (AGRs) 20 L - 200 L
- Jacketed glass reactor (Huber utility)
- Centrifuge (24 inch) 10 kg - 45 kg
- Nutsche filter (SS)
- Tray dryer 12 trays
- Multi mill 50kg/h
- Air jet mill
- Sifter up to 20 kg/h
- Blender 65 L
- Rotary evaporators 1 L - 50 L
- Micron filter 10" length

Eurofins Advinus Limited (Formerly Advinus Therapeutics Ltd.)

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