



Advinus

Drug Discovery  
Services



**Eurofins Advinus Limited**

Eurofins Advinus provides a **comprehensive range of services** to support Discovery, Preclinical and Early Clinical development programs. With **over 26 years of GLP experience** we ensure reliability and accuracy of **data with highest level of quality**. Being part of the Eurofins network we offer an unparalleled combination of experience and laboratory resources, spread globally.

Eurofins Advinus has over a decade of drug discovery experience for novel, first-in-class targets as well as fast follow-on targets, and has produced multiple assets that are in preclinical and clinical development. We are the first company from India to establish **R&D alliances** with companies such as Merck, J&J, Takeda, Novartis, Celgene and DNDi.

Our discovery services platform provides in-depth expertise and extensive capabilities across multiple therapeutic areas. Our business engagement models are flexible to the needs of our customers. We value our clients and tailor our services to their needs for every step of the R&D value chain.



## Our Discovery Services

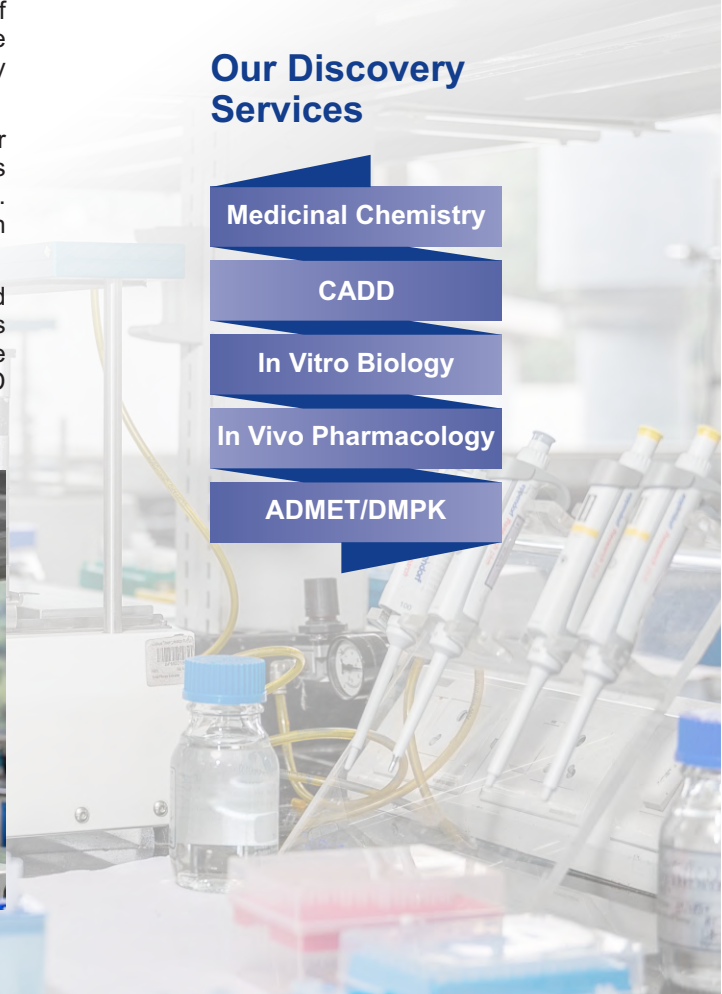
Medicinal Chemistry

CADD

In Vitro Biology

In Vivo Pharmacology

ADMET/DMPK



# Discovery Chemistry

## Medicinal Chemistry

- Chemistry do-ability assessment for new biological targets
- Hit identification and expansion
- HIT-to-Lead & Lead Optimization

## CADD

- SBDD & FBDD
- QSAR, vHTS
- Physicochemical properties calculation

## Synthetic Chemistry

- Focused library design and synthesis
- Scaffolds, building blocks & intermediate synthesis
- Route optimization and scale-up
- Natural product analogs
- Synthesis of reference compound
- Chiral resolution
- Carbohydrate chemistry
- Metabolite identification and synthesis

## Analytical Services

- Method development and validation
- Preparative HPLC separation
- Chiral separation



# Discovery Biology

## In Vitro Biology

### Molecular and Cell Biology

- Flow cytometry and FACS
- Immunological techniques
- Gene expression
- Cloning, over expression and stable cell line generation
- Protein purification and characterization

### In Vitro Assays

- Enzyme assays
- Functional assays
- Ligand binding assays

## In Vivo Pharmacology

- Pharmacodynamic and efficacy studies in several therapeutic areas: Oncology, Inflammation, Autoimmune disease, Fibrosis, Metabolic Disorder, GI, CNS & Pain
- Well supported by requisite histopathology, immunohistochemistry, clinical biochemistry, biomarker (qPCR, cytokines) by FACS/ELISA, western blot, immuno-phenotyping using FACS

## ADMET/DMPK

- ADME assays
- In Vitro safety: Patch clamp, cytotoxicity, mini-Ames test
- In Vivo PK
- Bioanalysis for both *in vitro* and *in vivo* studies



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## Eurofins Advinus Limited

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