

PHARMACEUTICAL DEVELOPMENT SERVICES

MEDICINAL CHEMISTRY SERVICES

Recipharm offers a wide range of services in medicinal chemistry from its dedicated development facilities.

Our PhD qualified scientists have considerable drug discovery experience across a wide range of biological targets and therapeutic areas. Working in close collaboration with our customers, we undertake intelligent integrated drug discovery to deliver small molecules with the potential to be advanced from the discovery phase into pre-clinical development, and beyond. We offer full project leadership with the IP rights belonging to the customer.

Computational chemistry is an intrinsic part of our medicinal chemistry projects and our computational chemists have a solid background in synthetic chemistry.



At Recipharm we offer:

Hit to lead

- ▶ Re-synthesis of hits to confirm structure and activity

- ▶ Identification and synthesis of analogues to expand hit series to establish early structure activity relationships with the aid of computational chemistry
- ▶ Organic synthesis of bioactive small molecules, including parallel synthesis and complex multi-step synthesis
- ▶ Compound characterisation, structure determination and purity analysis

Lead optimisation

- ▶ Multi-parameter optimisation of lead molecules towards clinical candidates
- ▶ Improving ADME properties (e.g. metabolic stability and permeability)

- ▶ Prioritisation of compound for proof-of-concept animal studies
- ▶ Assist in analytical chemistry and pre-formulation studies
- ▶ Scale-up to support profiling studies

Computer-aided drug design using Molecular Operating Environment (MOE) software

- ▶ Structure-based drug design (docking, covalent docking and scaffold replacement)
- ▶ Ligand-based drug design (pharmacophore modelling, virtual screening, QSAR models)
- ▶ In silico profiling of compounds with a number of built-in descriptors (e.g. clogP and PSA)
- ▶ Library enumeration

About Recipharm: Recipharm is a leading contract development and manufacturing organisation (CDMO) headquartered in Stockholm, Sweden. We operate development and manufacturing facilities in France, Germany, India, Israel, Italy, Portugal, Spain, Sweden, the UK and the US and are continuing to grow and expand our offering for our customers.

Employing around 5,000 people, we are focused on supporting pharmaceutical companies with our full service offering, taking products from early development through to commercial production. For over 20 years we have been there for our clients throughout the entire product lifecycle, providing pharmaceutical expertise and managing complexity, time and time again. Despite our growing global footprint, we conduct our business as we always have and continue to deliver value for money with each customer's needs firmly at the heart of all that we do. That's the Recipharm way.