

PHARMACEUTICAL DEVELOPMENT SERVICES

ROUTE SCOUTING AND PROCESS DEVELOPMENT

At Recipharm we offer comprehensive route scouting and process development. Our development chemists have experience of large-scale API manufacturing and know what it takes to develop a milligram procedure into a kilogram process.

From our facility in Uppsala we verify processes up to 20L scale in order to manufacture suitable materials for toxicology studies and other uses. From there we can perform efficient tech transfer to other facilities within Recipharm to offer further scale-up and provide GMP manufacturing capabilities.



At Recipharm we offer:

Route design

- ▶ Retrosynthetic analysis
- ▶ Practical assessment to maximise yield and throughput whilst minimising waste streams and costs

- ▶ Integral safety management aided by timely thermodynamical studies

Route scouting

- ▶ Route investigation
- ▶ Method development

Process development

- ▶ Early and late stage process optimisation
- ▶ Strategic Design of Experiments (DoE)
- ▶ Reaction troubleshooting

Compound synthesis

- ▶ Synthesis, isolation and identification of APIs and intermediates
- ▶ As additional service we also offer synthesis of impurities, reference compounds and metabolites

Scale-up

- ▶ In-house manufacture of hundreds of grams to single-digit kilograms of non-GMP material for demo batches, proof of principle and pre-clinical studies
- ▶ Seamless tech transfer to larger scale and GMP manufacture

Integrated analytical support

- ▶ Analytical method development
- ▶ Synthesis and purification of analytical standards

Project management support

- ▶ Technical updates and reports throughout all research stages
- ▶ Continuous management support during technology transfer to GMP manufacturing

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.