

# MEDICINAL CHEMISTRY SUPPORT

Tailor-Made Solutions  
For Specific Customer Needs

## CONTACT

For further information please contact our  
specialists.

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# MEDICINAL CHEMISTRY SUPPORT

## ABOUT US

We provide medicinal chemistry support that allows our customers to speed up their development process for new products in the life science sector as well as all other industries requiring organic chemicals as intermediates for their final products.

We are committed to confidentiality and intellectual property protection for our customers. Our customers benefit from fast communication, short decision ways and high flexibility. We develop innovative and efficient solutions. From the beginning of the route selection process we focus on scalable chemical processes allowing seamless transfer of technology to commercial production sites.

## OUR FACILITIES

We operate a 600 m<sup>2</sup> laboratory. This location offers an optimum infrastructure for technology driven lifescience companies.

Our laboratory is state-of-the-art equipped for organic chemistry on milligram to kilo scale. In-house analytical instrumentation includes standard chromatography techniques like GC, GC/MS, HPLC, LC/MS as well as UV/Vis and NMR-spectroscopy.

Other specialized techniques are available through cooperation with institutes.

## CAPABILITIES

We have assembled a team of highly qualified and creative chemists and technicians. A mixture of experienced people with industrial background and university graduates is of highest importance for us.

Complex multi-step synthesis and optimum route selection requires wide-ranging experience in functional group transformations as well as modern in-house capabilities for literature search and sourcing of starting materials.

We will constantly extend our technology tool kit by adding the right people to our team but also through university cooperations.

## SERVICES

We offer a range of services tailored to the specific need of our customers.

### Custom Research

- Literature study and design of synthetic routes for new molecules
- Development of routes which meet all requirements of production scale, e.g. high yields, no toxic starting materials, scalable purification steps, minimum environmental impact
- Lab scale manufacturing of new products
- Lead optimization
- Synthesis of labelled compounds (2H; 13C)
- Investigation of sources / availability for all key raw materials
- Analytical methods development
- Technology transfer to manufacturing site
- Search for potential contractors for commercial production.

### Small Scale Custom Manufacturing

- Manufacturing of lab quantities of organic compounds starting from laboratory protocols provided by our customers.
- Synthesis of reference materials, enantiomers

Beside this concept of highest versatility we have developed special know-how for the synthesis of selected organofluorine building blocks like difluoromethyl compounds.

### New Products

- Though most of our laboratory work is done under secrecy agreements, we always have some products prepared outside these contracts, e.g.
- Monomers for Peptide Nucleic Acid (PNA) synthesis
  - PNA building blocks
  - Building blocks for solid and liquid phase synthesis
  - Advanced intermediates and reagents for drug discovery, biotechnology, crop science and polymer science

