

Mercachem at a glance

Mercachem delivers novel chemistry with the highest efficiency.

Services

Discovery chemistry:

- Development of novel chemistry and methodology
- Design and parallel synthesis of small focused libraries
- Single compound synthesis
 - reference compounds
 - metabolites and impurities

Medicinal chemistry:

- Design and synthesis of druglike compounds
- Hit optimization, Hit-to-Lead and Lead optimization
- Experimental measurement of physical and chemical properties
- Cheminformatics and computational chemistry
- Structure-guided lead discovery (in collaboration with Proteros)

Process research:

- Route scouting
- Catalyst screening
- Reaction and process optimization
- Material supply (up to 1 kg)

Organization

- Very experienced team of 100 organic, medicinal and process chemists
- Unprecedented knowledge for solving synthetic problems (>95% success rate)
- All synthetic procedures stored in Electronic Laboratory Notebook system
- Strict quality control and quality assurance system
- Flexibility with respect to changing priorities of customer
- Result driven approach to meet project goals
- Excellent communication

Chemistry strengths

- (Asymmetric) hydrogenation
- Chiral synthesis and purification
- Halogenated compounds
- Transition metal-mediated C-C and C-N bond forming reactions (large catalyst library in house)
- Heterocyclic chemistry – synthesis of novel heterocycles
- Amino acid chemistry – synthesis of peptides and peptidomimetics
- Organometal mediated synthesis
- Natural products chemistry

Project management

Each project is supervised by an experienced project manager who ensures efficient execution of your chemistry project.

Facts and figures

Established: 1997

Location: Nijmegen, The Netherlands

Number of employees: 110

Number of chemists: 100

(45% Ph.D. and 55% M.Sc./B.Sc.)

Growth rate: ~20% annually (2001–2009)

Laboratory space: 4,000 m²

Fume hoods: 120

Compliance: Environmental, Health and Safety and Intellectual Property policy

Ownership: Privately owned, independent

