

Innovation  
Services



Innovating Chemistry.  
Together.





## We are WeylChem InnoTec!

WeylChem InnoTec is the innovative partner to the fine chemical, pharmaceutical, agrochemical and electronic industry. We provide world-class analytical, modern developmental and tailor-made manufacturing services. With many years of expertise, WeylChem InnoTec supports customers through the competent and agile realization of their sophisticated materials.

### Innovating chemistry. Together.

After careful listening, we execute through our key values:

- customer intimacy,
- scientific excellence,
- flexibility and
- quality.

Our business is driven by long and trustworthy partnerships with our customers. We have an impressive track record of successful customer projects.

From concept to production and analytical services, more than 120 scientists and technicians, embedded in a unique flexible environment and connected to an excellent infrastructure, are dedicated to turn your ideas into reality.

### Our Services

#### **Analytics**

Your service partner in the chemical and pharmaceutical industry, with contract services under GLP, GMP and ISO.

#### **Contract Development**

For your new products, we offer chemistry research programs, process optimization plus excellent scale-up capabilities.

#### **Custom Synthesis**

According to customers' requirements, we manufacture specialty products applying up-to-date equipment in lab, kilolab and full commercial scale.



## How we can support you in the different markets

### Organic Electronics

- Materials for printed semiconductors and OLED's
- Materials for Organic Photovoltaic (OPV)
- Materials for Organic Photodetectors (OPD)
- Liquid crystal building blocks in high purity
- Materials for batteries

### Pharmaceutical Intermediates

- Pilot and midsize plants for 10's of kg's to tons per year
- Building blocks and starting materials (non-GMP)
- Extended capacities for chemical process development on lab scale

### Catalysts and Ligands

- Phosphorus-containing ligands and others
- Midsize and large commercial scale
- Metallocenes and homogeneous catalysts

### Sustainable Chemistry

- bio-based or bio-degradable materials
- Process development for applications of bio-based materials

### Agrochemicals

- Process development and optimization on laboratory and pilot scale
- Manufacturing of test and tox quantities in a range of 100's kg's to tons per campaign
- Large scale manufacturing at other WeylChem sites in Europe or the US available

# Advanced technical capabilities

## Low temperature equipment

- Organometallic and low-temperature chemistry down to  $-100^{\circ}\text{C}$  in special reactors up to 1000 l
- Handling of air- and moisture-sensitive materials e.g. Grignard- and Organolithium compounds

## High pressure equipment

- Hydrogenation, Hydroformylation, Carbonylation and high-pressure reactions up to 200 bar
- Autoclaves starting from 0.2 l up to 1.8 m<sup>3</sup> in different materials like stainless steel and Hastelloy

## Multi-purpose equipment

- Flexible, variably connectable equipment for complex multi-stage synthesis
- 80 different reaction vessels from 0.1 up to 5.0 m<sup>3</sup>
- Stirred pressure filters up to 4 m<sup>2</sup>
- Distillation columns up to 30 theoretical plates
- Thin film and short path evaporators

# Analytical Services

## Long-standing expertise in

- Quality control of starting materials and products
- Analytical support in process development
- Method development and validation
- GMP-Analytics: release testing, stability storage and stability testing
- GLP-Analytics: Physico-chemical data, Five Batch analyses
- Advanced technologies: Structure elucidation, Element analytics, Dust- and Air-measurements



## Contacts for inquiries

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