

Name · Enzymicals AG

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Internet Website · www.enzymicals.com

Number of Employees · 14

Founded (year) · 2009

Type of Laboratory · Chemistry, Genetic engineering, S1 Biotech lab, access to S2 Biotech lab

Areas of Activity · Development and production of enzymes; tailor-made fine chemicals, intermediates and APIs; customer specific solutions in enzyme technology, biotransformation, process development and piloting

Biological Patents · IP protected by international patent applications and granted patents

External Collaborations · BRAIN AG, Herbrand PharmaChemicals GmbH, Institute of Marine Biotechnology e.V., broad international academic R&D collaboration, national and international enterprises of the fine chemical and pharmaceutical industry

COMPANY PROFILE

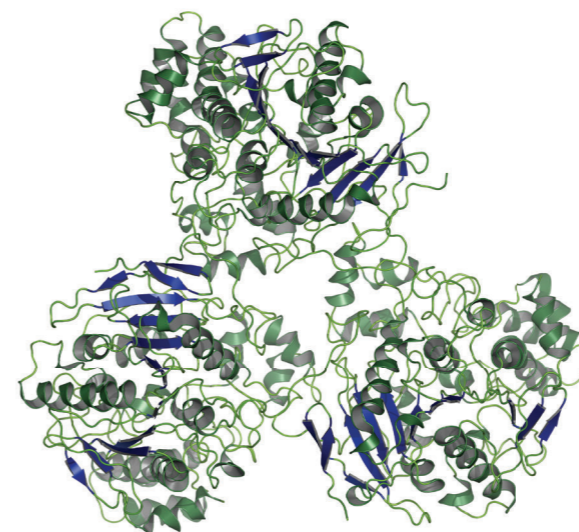
Enzymicals was founded in August 2009 and is specialized in providing integrated solutions for biocatalytic applications. The focus of the independent biotechnology SME is the development and production of enzymes, as well as the biocatalytic synthesis of fine and specialty chemicals. Both core areas are combined to find customer-specific solutions for custom development and manufacturing.

PRODUCTS & SERVICES

Enzymicals offer a broad selection, and is an outstanding resource of enzymes suitable for research and development, production, and diagnostics. Our enzyme portfolio contains a continually expanding biocatalytic toolbox, with innovative biocatalysts from the class of transaminases, Baeyer-Villiger monooxygenases, halohydrin dehalogenases, imine reductases and hydrolases at desired quality grades to solve customer specific problems at best performance.

We deliver concept-to-completion comprehensive solutions to create and develop high performance protein based products and processes. For this we discover and produce enzymes based on the demands of our partners. Our technology platform covers identification of novel enzymes from strain collections and metagenome libraries, their cloning, and the functional expression in a range of microbial hosts.

Dedicated to design, develop and implement innovative cost-effective and scalable chemo-biocatalytic routes to fine chemicals, intermediates & APIs, Enzymicals offers recognized expertise in the use of enzymatic processes for complex chemical synthesis. We develop scalable strategies for the biotransformational synthesis of your desired compound, which includes feasibility studies, as well as the process development and its piloting. After the identification of a suitable catalyst for the production of your compound we can



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optimize the enzyme via our protein engineering technology to offer the best performance available. Together with the design of the reaction pathway we are able to produce high-value chemicals up to the kilogram scale under cGMP conditions.

The combination of best catalysts with optimized chemistry and the integration of processing aspects enabled us to increase the speed of delivery of effective solutions and expand our business along the whole value chain of the white biotechnology industry.

MANAGEMENT BOARD

Dr. Ulf Menyes (CEO)

Dr. Rainer Wardenga (CSO)

SUPERVISORY BOARD

Prof. Dr. Uwe Bornscheuer

Prof. Dr. Dagmar Braun

Dr. Jürgen Eck