



Member of the Medicine-Pharmaceutical Cluster NANOMEDIC

Enantis, s.r.o.

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Company Registration No. 27676013
Tax Identification No. CZ27676013

Registered number of employees

(permanent staff/staff by arrangement): 0/5

Revenues (millions of CZK): 1

Registered capital of the company (millions of CZK): 0,2

The proportion of exports in total revenues (in %): 0

Authorized representative of the company:

Dr. Zbyněk Prokop
prof. Jiří Damborský
Authorized representatives
enantis@enantis.com

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Business agent of the company:

Dr. Zbyněk Prokop
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Technological platform

The current technological platform of Enantis is based on catalytic effects of the enzymes called haloalkane dehalogenases in the biosynthesis of optically pure compounds (pharmaceuticals, pheromones, food additives and cosmetic additives), decontamination of by-products of chemical production and pesticides, neutralization of warfare chemicals and enzymatic detection of environmental pollutants and warfare chemicals.

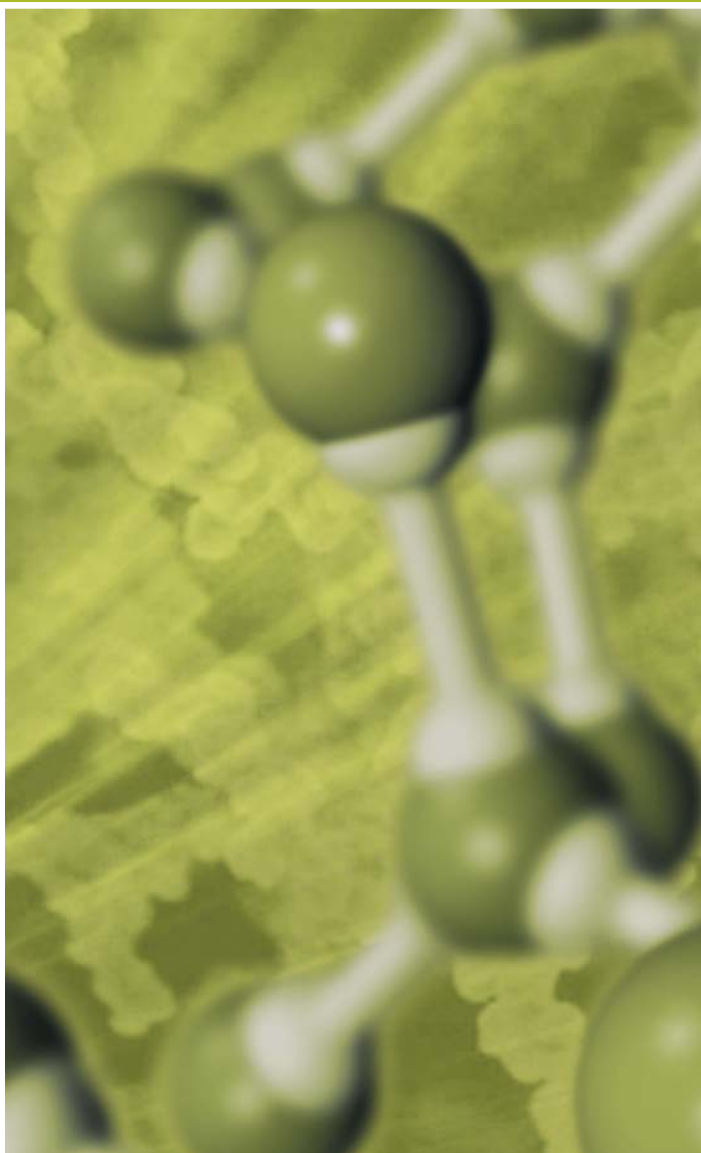
Licences

Enantis offers licences for following technologies:

1. Enzymatic production of optically active substances, WO 2006/079295
2. Enzymatic detoxification of sulfur mustard (yperite), WO 2006/128390

Products

Enantis offers purified recombinant haloalkane dehalogenases from various microbial sources and the enzyme decontamination kit Yperzyme suitable for neutralization of the warfare agent yperite. The company further offers consultations, specialized analyses and customer R&D services specialized in the enzyme applications in the industry.





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Enantis is a biotechnology R&D company established in close collaboration with Loschmidt Laboratories at Masaryk University in Brno, Czech Republic. The company provides consulting and development services in the field of enzyme technologies and protein engineering for biomedical, environmental, agrochemical and military applications.

Loschmidt Laboratories are a qualified guarantor of services and have core competency in the research of haloalkane dehalogenases microbial enzymes. The Laboratories hold a prestigious award from the European Molecular Biology Organization and American foundation the Howard Hughes Medical Institute. The Laboratories are supported by Dr. Alfred Bader, founder of the Sigma-Aldrich Chemical Company, a worldwide supplier of chemicals for scientific purposes.

The main task of the Enantis company in the cluster is the production development of the recombinant enzymes and protein engineering for the cluster members. The protein engineering will consist of bioinformatics analysis and computer-assisted design of proteins with modified functional properties. Mutant proteins are constructed by site-directed mutagenesis and directed evolution. The solution structure and properties of novel proteins are determined by structural analysis, kinetic experiments and biophysical testing.



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