



INTENANT – INTEgrated synthesis and purification of ENANTIomers



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



WP1: Applications

Industry: AstraZeneca, Bayer technology Services

WP 3-5: Development of Chiral Separation Techniques and Racemization

Academia: ETH Zurich, MPI Magdeburg (PCF/PSD),
Univ. Manchester, Univ. Rouen, Univ. Stockholm

WP 1: Case Studies

Industry: Molisa, Bayer Technology Services,
AstraZeneca
Academia: MPI Magdeburg (PCF), ETH
Zurich, Politecnico de Milano

WP 2: Innovative Synthesis

Industry: Molisa
Academia: Politecnica de Milano, Univ. Toulouse

A Model Compounds

Academia: ETH Zurich,
MPI Magdeburg (PCF/PSD)

B Open Systems

Industry: Molisa, Academia: Univ. Rouen,
Politecnico de Milano, ETH Zurich

C Closed Systems

Industry: AstraZeneca,
Bayer Technology Services

WP 6: Process Synthesis & Optimization

Academia: MPI Magdeburg (PSD),
Industry: AstraZeneca, Bayer Technology Services

Process development

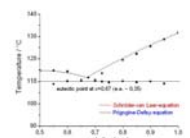


Figure 1: binary phase diagram of C3, industrial compound

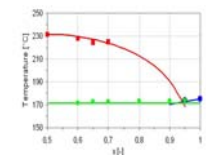


Figure 2: binary phase diagram of noscapine, industrial compound

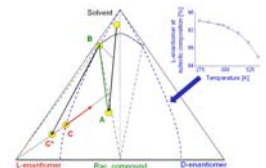


Figure 3: Novel separation technique (patent application number: EP08163733.2)

WP 1: Case studies and applications

WP 3: Chromatography

- Design & optimization of chromatographic separations for industrially relevant compounds

WP 4: Crystallisation

- Determination and modelling of binary and ternary phase diagrams
- Development of new separation methods & application to industrial compounds

WP 6: Process synthesis and optimization

- Investigation of integrative aspects of combining synthesis, separation and reaction

WP 7: Dissemination

- Support in the exploitation of project results for faster industrial implementation

WP 8: Management

- Overall project coordination, cost management, and budgeting

KONTAKT

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INFO

FÖRDERUNG

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<http://www.intenant.eu>