

PAID DIPLOMA/ MASTER'S THESIS

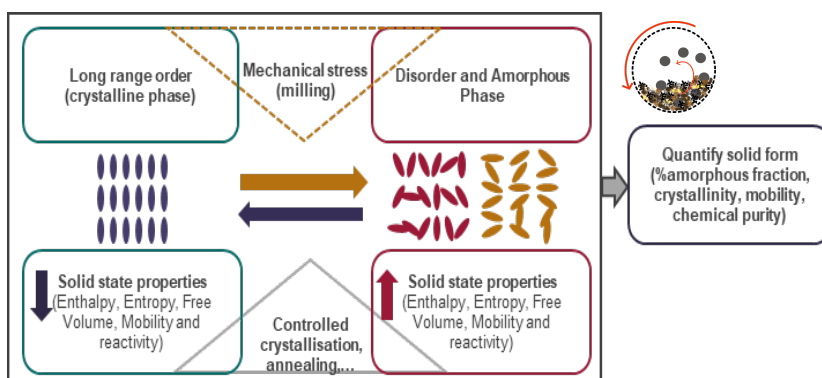
Screening of Methods to Induce Solid-State Disorder and the Implication of Disorder on Stability

Ref.Nr. DA136

To dedicated students of Physical Organic Chemistry, Pharmaceutical Engineering, Pharmacy or related disciplines, we offer an opportunity to write a paid Diploma/Master's thesis. The project is conducted in close cooperation with pharmaceutical industries.

OBJECTIVE:

The aim of Diploma/Master thesis is to screen methods to generate various types of solid state disorders. Principle methods such as milling and compaction, will be used to induce mechanical activation of solids. Resulting solids will be extensively characterized/ quantified for disorder and molecular mobility using advanced analytical techniques such as thermal (mDSC), X-ray (SWAXS) and TSC. In addition, particulate (PSD) and surface (BET) properties of the disordered solids will be determined simultaneously and its impact on chemical stability during storage or processing will be evaluated.



WITHIN THE FRAMEWORK OF THIS DIPLOMA/ MASTER'S THESIS WE OFFER THE FOLLOWING:

- Extensive participation in a top-level and industrially relevant research project in an international environment
- Supervised training in the task
- Assistance of experienced staff with the implementation of innovative ideas
- Access to highly modern infrastructure on campus of Graz University of Technology
- Assistance with the publication of results
- Adequate compensation and opportunities for personal and professional development

FINANCING: Compensation on the basis of a service contract

If you are interested in writing your thesis at the interface between university research and industry/business and to contribute to the optimization of product and process development in the pharmaceutical industry, please contact us indicating the reference number.

Research Center Pharmaceutical Engineering GmbH

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