

Cyclodextrins are cyclic oligosaccharides that are able to form inclusion complexes with various chemical substances. The formation of inclusion complexes can be applied to improve physicochemical, technological, biopharmaceutical and pharmacokinetic properties of many drug molecules, allowing the design and development of better pharmaceutical and cosmetic formulations. The knowledge of the technology of this new pharmaceutical systems will be important in life cycle management of medicines, the possibility of reintroduction of old drugs, the resolution of technological and therapeutic problems.

Specific aims:

Provide a systematic overview of fundamental concepts related to cyclodextrins, that will be able to be applied at the level of research and development in the pharmaceutical industry;

Provide up to date information on preparation and characterization of drug - cyclodextrin complexes.

Main competencies:

Identification of drugs which properties can be improved by complex formation with cyclodextrins;

Preparation and characterization of drug-cyclodextrin complexes;

Utilization of cyclodextrins for resolution of problems, with the aim of new technological and therapeutic solutions.

European Intensive Programme

Galenos Course

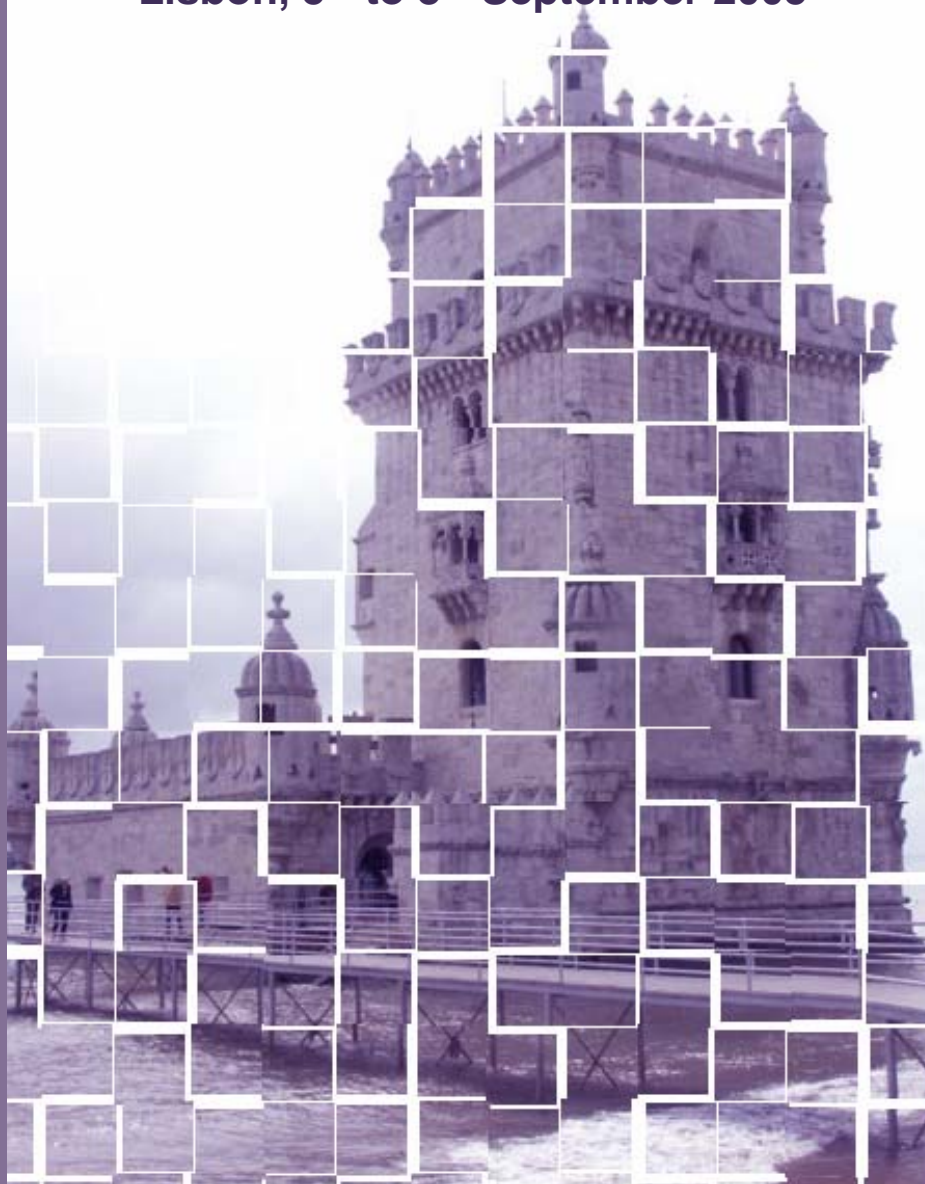
Cyclodextrins and their use in Life Sciences

Lisbon, 5th to 14th September 2005

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Cyclodextrins Applications to the Industry

Lisbon, 5th to 8th September 2005



Information and Registration

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