



Formulation of Peptides and Proteins with Cyclodextrins

Larsen, Kim Lambertsen

Publication date:
2009

Document Version
Publisher's PDF, also known as Version of record

[Link to publication from Aalborg University](#)

Citation for published version (APA):
Larsen, K. L. (2009). *Formulation of Peptides and Proteins with Cyclodextrins*. Abstract from 2^o Congresso Nazionale Chimica E Tecnologia delle Ciclodestrine, Asti, Italy.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal -

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.

Formulation of peptides and proteins with cyclodextrins

Kim Lambertsen Larsen

Section of Chemistry, Department of Biotechnology, Chemistry and Environmental Engineering, Aalborg University, Sohngaardsholmsvej 57, 9000 Aalborg, Denmark

Based on the limited dimensions of the cavity of the α -, β -, and γ -cyclodextrins we normally consider small organic molecules as ideal guests for inclusion complex formation. Thus, proteins and peptides could be considered as too large to form stable complexes with these cyclodextrins. Nonetheless, cyclodextrins are capable of forming relatively weak complexes with proteins and peptides. This complex formation may drastically alter the physical behavior of these molecules. Examples of how cyclodextrins can affect protein and peptides will be given. Additionally, an explanation of the mechanisms behind these phenomena and their molecular basis will be discussed.

