Abstract

Charles University, Faculty of Pharmacy in Hradec Králové

Department of:	Pharmaceutical Technology					
Consultant:	Doc. PharmDr. Zdeňka Šklubalová, Ph.D.					
Student:	Eliška Macáková					
Title of Thesis:	Formulation	of	freeze	dried	tablets	for
	oromucosal administration of peptides					

Freeze-drying is one out of the important methods for stabilization of active substances, particularly peptides, in pharmacy. The formulation of freeze-dried buccal/sublingual tablets for administration of peptides into the oral cavity is the main target of this thesis. The aim is to propose the combination of appropriate excipients and their concentration to achieve the suitable organoleptic properties and disintegration time of the product cake. The measurement of pH, osmolality, the thermal properties of substances, as well as the evaluation of mechanical quality of tablets and their disintegration were used. In conclusion, the combination of excipients for the composition of matrix for the futher development.