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ENHANCED SKIN PERMEABILITY OF ACTIVES ON FORMULATIONS WITH APPLIED NANOTECHNOLOGY

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Nanotechnology has recently increased their innovation researches in cosmetology and dermatology based on the enhanced capacity of penetrating active ingredients in the deeper layers of the skin. Several advantages are considered, such as, small particle diameter, sustained release and lower doses required for its efficacy since higher amounts can be retained inside the skin. This research relies on characterization of different types of nanosystems developed containing active ingredients encapsulated, thus, on the different types of suitable semi-solid final formulations for them. It involves their physical chemistry parameters, rheology, stability and biopharmaceutical behaviour. The aim of this research is to compare the nanosystems alone and their final formulations on their *in vitro* release profiles and their influence on *ex vivo* skin permeability parameters and enhanced capacity of retaining higher amounts of the actives inside the skin

Biography

Camila Folle is currently pursuing PhD at the University of Barcelona, Graduated in Pharmaceutical Science by London Metropolitan University in 2011, has completed a Masters in Cosmetics and Dermopharmacy in 2012 by CESIF Barcelona, including a year internship at ISDIN SA, and a Masters in Nanoscience and Nanotechnology (2015) by the University of Barcelona. At present, she is continuously Researching dermatological active ingredients applied nanotechnology and final formulations for her PhD thesis.

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