Accepted Manuscript

Title: Impact of the ceramide subspecies on the nanostructure of stratum corneum lipids using neutron scattering and molecular dynamics simulations. Part I: Impact of CER[NS]

Authors: Thomas Schmitt, Rakesh Gupta, Stefan Lange, Stefan Sonnenberger, Bodo Dobner, Thomas Hauß, Beena Rai, Reinhard H.H. Neubert



S0009-3084(18)30037-9
https://doi.org/10.1016/j.chemphyslip.2018.05.006
CPL 4661
Chemistry and Physics of Lipids
9-3-2018
18-5-2018
28-5-2018

Please cite this article as: Schmitt T, Gupta R, Lange S, Sonnenberger S, Dobner B, Hauß T, Rai B, Neubert RHH, Impact of the ceramide subspecies on the nanostructure of stratum corneum lipids using neutron scattering and molecular dynamics simulations. Part I: Impact of CER[NS], *Chemistry and Physics of Lipids* (2018), https://doi.org/10.1016/j.chemphyslip.2018.05.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Title:

Impact of the ceramide subspecies on the nanostructure of stratum corneum lipids using neutron scattering and molecular dynamics simulations. Part I: Impact of CER[NS]

Thomas Schmitt^a, Rakesh Gupta^b, Stefan Lange^c, Stefan Sonnenberger^d, Bodo Dobner^d, Thomas Hauß^e, Beena R ai^b, Reinhard H.H. Neubert^{a,c*}

^a Institute of Applied Dermatopharmacy at the Martin Luther University Halle-Wittenberg (IADP), Weinbergweg 23, 06120 Halle/Saale , Germany

^b Physical Science Research Area, TCS Research, Tata Research Development and Design Centre, Tata Consultancy Services, 54B, Hadapsar Industrial Estate, Pune - 411013, India

^c Institute of Medical Physics and Biophysics, University of Leipzig, Härtelstraße 16-18, 04107 Leipzig, Germany

^d Institute of Pharmacy, Martin Luther University Halle-Wittenberg (MLU), Wolfgang-Langenbeck-Str. 4, 06120 Halle/Saale, Germany

^e Helmholtz-Zentrum Berlin für Materialien und Energie (HZB), Hahn-Meitner-Platz 1, 14109, Berlin, Germany

*corresponding author: Email: reinhard.neubert@pharmazie.uni-halle.de

Download English Version:

https://daneshyari.com/en/article/7692056

Download Persian Version:

https://daneshyari.com/article/7692056

Daneshyari.com