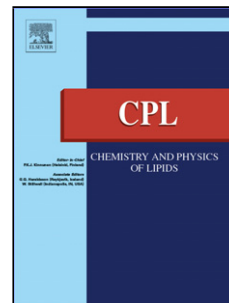


Accepted Manuscript

Title: Surface properties of polyene glycol phospholipid monolayers

Author: Tibor Hianik Christer L. Øpstad Jana Šandorová
Zuzana Garaiová Vassilia Partali Hans-Richard Sliwka



PII: S0009-3084(16)30185-2
DOI: <http://dx.doi.org/doi:10.1016/j.chemphyslip.2016.11.007>
Reference: CPL 4506

To appear in: *Chemistry and Physics of Lipids*

Received date: 9-5-2016
Revised date: 17-11-2016
Accepted date: 21-11-2016

Please cite this article as: Hianik, Tibor, Øpstad, Christer L., Šandorová, Jana, Garaiová, Zuzana, Partali, Vassilia, Sliwka, Hans-Richard, Surface properties of polyene glycol phospholipid monolayers. *Chemistry and Physics of Lipids* <http://dx.doi.org/10.1016/j.chemphyslip.2016.11.007>

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.

Surface properties of polyene glycol phospholipid monolayers

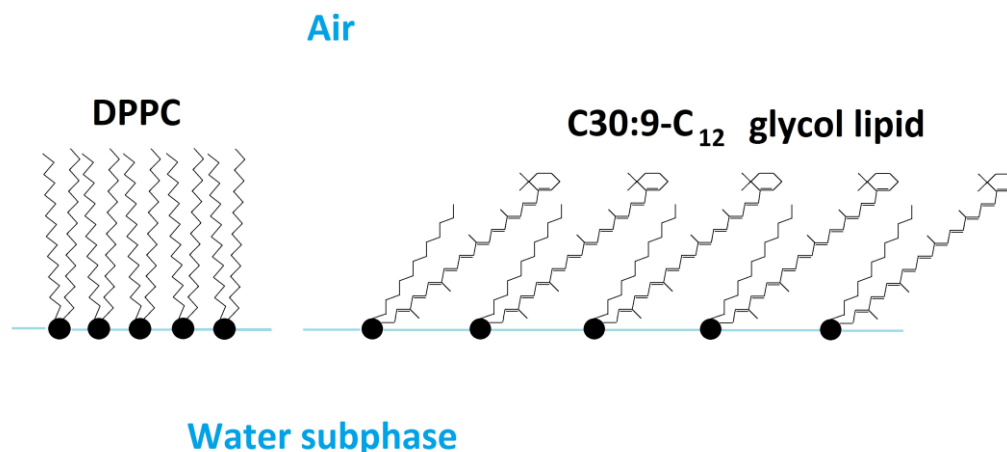
Tibor Hianik^{1*}, Christer L. Øpstad², Jana Šandorová¹, Zuzana Garaiová¹, Vassilia Partali²,
Hans-Richard Sliwka²

¹Comenius University, Department of Nuclear Physics and Biophysics, Mlynská Dolina F1,
842 48 Bratislava, Slovak Republic

²Department of Chemistry, The Norwegian University of Science and Technology, 7491
Trondheim, Norway

*Corresponding author: Tel: +421-2-60295683; Fax: +421-2-65412305; E-mail:
tibor.hianik@fmph.uniba.sk

Graphical abstract



Highlights

- conjugated polyene ethylene glycol lipids form monolayers at water subphase
- compressibility modulus of monolayers depends on the glycol lipids mole fraction
- DPPC – glycol lipids complexes occur in mixed monolayers
- dipole potential indicate various orientation of the glycol lipids in the monolayer

Download English Version:

<https://daneshyari.com/en/article/5142628>

Download Persian Version:

<https://daneshyari.com/article/5142628>

[Daneshyari.com](https://daneshyari.com)