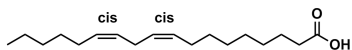
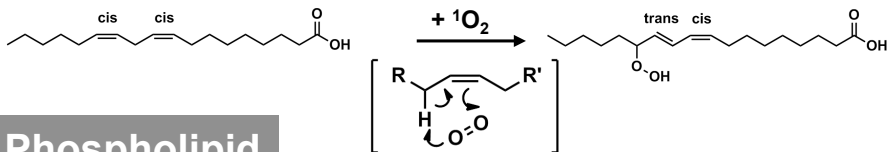


Fatty acid

Linoleic acid
(octadecadienoic acid)

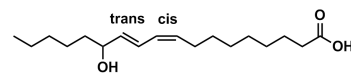


Hydroperoxy-octadecadienoic acids
(9-, 10-, 12- and 13-HpODE)

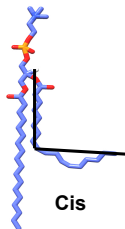


Reduction

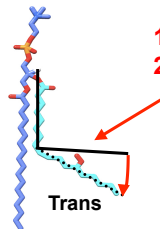
Hydroxy octadecadienoic acids
(9-, 10-, 12- and 13-HODE)



Phospholipid

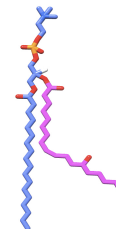


Cis

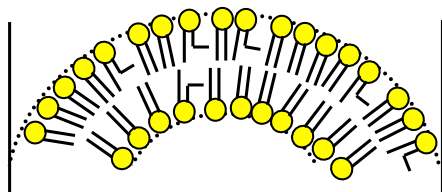


Trans

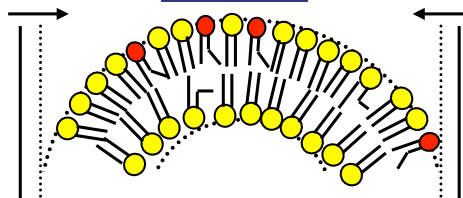
- 1) Addition of a polar group
- 2) Increase of the angle in the acyl chain formed by the trans C=C double bond



Membrane



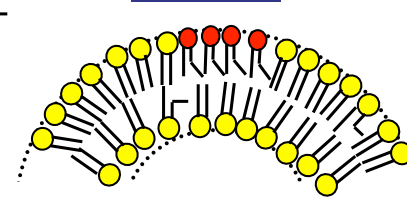
Shrinkage



↑ Positive curvature

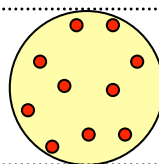
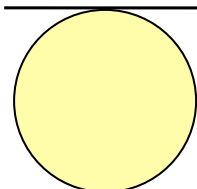
&

Clustering



↓ Membrane fluidity

Virus



FUSION INHIBITION

