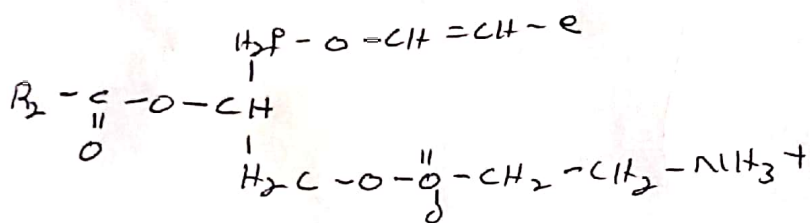


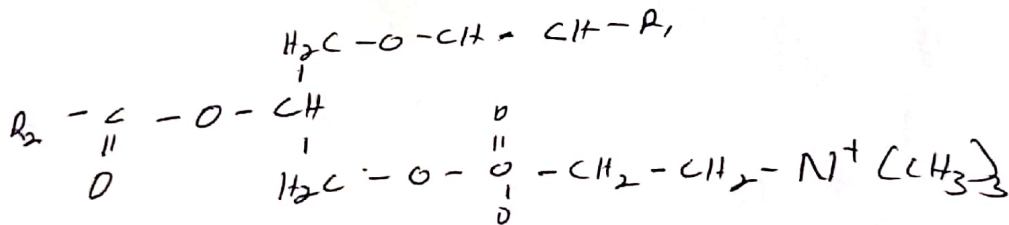
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→ Plasmalogens are a class of phospholipids found in animals. Plasmalogens are thought to influence membrane dynamics and fatty acid levels while also having roles in intracellular signalling and as antioxidants. Plasmalogens consist of a glycerol backbone with an vinyl-ether linkage chain at the Sn-1 position, co-ester linked long chain fatty acid at the Sn-2 position and a head group attached to the Sn-3 position through a phosphodiester linkage.

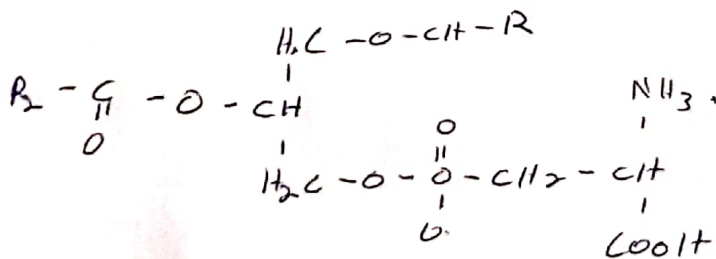
→ Ethanolamine - Plasmalogen.



2) Choline - plasmalogen.



3) Serine - plasmalogen.



Plasmodogens

They protect mammalian cells against the damaging effects of reactive oxygen species

→ The first carbon of glycerol has a hydrocarbon chain attached via an ether linkage. The second is linked by an ester linkage

Phosphoglycerols

They are reservoirs of intracellular messengers.

The first and the second carbon of glycerol has a hydrocarbon chain attached by an ester linkage.