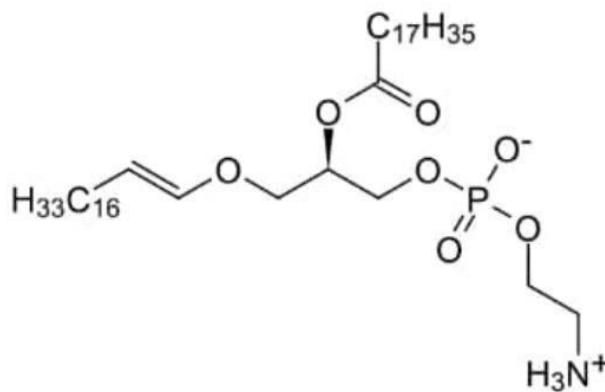


Name :Wilson Serbia Princess
matric No:15/MHS06/063
Course code :BCH 202

1.What are plasmalogens?

The plasmalogens are a class of glycerophospholipids which contain a vinyl-ether and an ester bond at the sn-1 and sn-2 positions, respectively, in the glycerol backbone. They constitute 10 mol% of the total mass of phospholipids in we are important for the organization and stability of lipid raft microdomains and cholesterol-rich membrane regions involved in cellular signaling

2.Name and draw 3 examples of plasmalogens.
ethanolamine plasmalogen



3.Give two differences between plasmalogens and phosphoglycerides.

3a Plasmalogens are phospholipids defined by a particular chemical bond, called a vinyl-ether linkage WHILE

Phosphoglycerol or glycerophospholipid signifies any derivative of glycerophosphoric acid that contains at least one O-acyl, or O-alkyl, or O-alk-1'- enyl residue attached to the glycerol moiety.

[B. Plasmalogens have an ether-linked alkenyl chain. WHILE
Phosphoglycerols