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Biochemistry

Bch202

* It serves as precursor of variety of important products
* It is a major structural constituent for cell membranes and plasma lipoproteins
* It aids in protection, insulation of nerve fibers and also provides more efficient conduction of nerve impulses
* It is important for determining the molecule that can pass into and out of the cell( cell permeability

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| --- | --- |
| Globosides | Gangliosides  |
| The lack sialic acid | They possess sialic acid |
| They are not derived from glucocerebosides | They are derived fromGlucocerebosides |

1. Phosphatidylcholine
2. B
3. A) they are amphiphatic( they are hydrophilic and hydrophobic)

B) they are amphoteric( They have polar and non polar groups)

C) they are glycerol based phospholipids That contains 2molecules of fatty acids a phosphate

and an alcohol

|  |  |
| --- | --- |
| Triacylglycerol | Phosphoglycerides |
| They contain 3 fatty acid molecules  | They contain 2 fatty acid molecules  |
| They lack alcohol | They posses alcohol |
| They lack phosphate group | They posses a phosphate group |