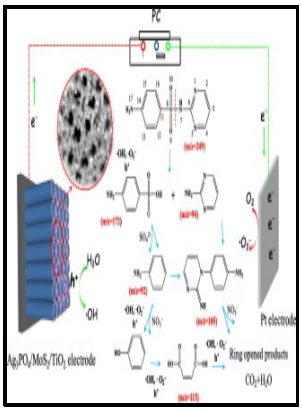
Degradation of the germ cell glycolipid, sulfogalactosylalkylacylglycerolipid, by Mycoplasma pulmonis, a rodent mycoplasma causing infertility

National Library of Canada - Glycolipid transfer proteins and membrane interaction



Description: -
-Degradation of the germ cell glycolipid, sulfogalactosylalkylacylglycerolipid, by Mycoplasma pulmonis, a rodent mycoplasma causing infertility
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Canadian theses = Thèses canadiennesDegradation of the germ cell glycolipid, sulfogalactosylalkylacylglycerolipid, by Mycoplasma pulmonis, a rodent mycoplasma causing infertility
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Glycolipid

Recent discoveries in the glycolipid transfer protein field are discussed. Rather, GLTP is likely to be involved in events at the cytosolic side of the plasma membrane or the endoplasmic reticulum, maybe function as a reporter or sensor of glycolipid levels. They may be as complicated a set of compounds as the negatively charged gangliosides in animals.

Glycolipid transfer proteins and membrane interaction

They have a variety of functions; failure to degrade these molecules leads to. The reduced binding and subsequent digestion of caput spermatozoan SGG correlates with the membrane colocalization of SGG and its endogenous binding protein at this stage.

Glycolipid

Separation of SGG and its binding protein during epididymal sperm maturation appears to facilitate M. They contain negatively charged oligosacchrides with one or more residues; more than 200 different gangliosides have been identified.

Male germ cell specific sulfogalactoglycerolipid is recognized and degraded by mycoplasmas associated with male infertility

This list is ; you can help by with. The vesicle merges with the cell membrane so that the glycolipid can be presented on the cell's outside surface.

Glycolipid

The glycolipid is assembled in the and embedded in the surface of a which is then transported to the cell membrane. The structure of these saccharides varies depending on the structure of the molecules to which they bind. The binding and degradation of the sperm SGG by M.

Glycolipid transfer proteins and membrane interaction

The subcategories of glyceroglycolipids depend on the carbohydrate attached. Glyceroglycolipids are often associated with membranes and their functions. The Cell: A Molecular Approach 2nd ed.

Glycolipid transfer proteins and membrane interaction

The four main human blood types A, B, AB, O are determined by the attached to a specific glycolipid on the surface of , which acts as an. Their role is to maintain the stability of the and to facilitate recognition, which is crucial to the immune response and in the connections that allow cells to connect to one another to form. Antigens which are not present in an individual's blood will cause antibodies to be produced, which will bind to the foreign glycolipids.

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