

Sulfatides (bovine)(sodium salt) Biochemical

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CATALOG #
AAA227056

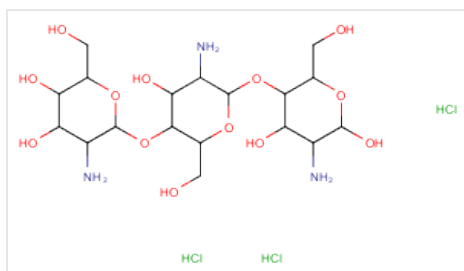
PRODUCT SYNONYMS

Sulfatides (bovine)(sodium salt); Sulfatides (bovine)(sodium salt) biochemical

PRODUCT SPECIFICATIONS

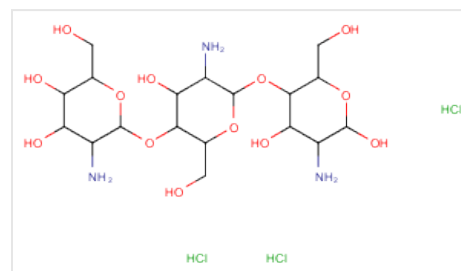
Purity/Purification	98%
Solubility	DMSO: Soluble <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Chitotriose trihydrochloride, CAS 117436-78-9



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ADDITIONAL INFORMATION

Related Product Information for Sulfatides (bovine)(sodium salt) biochemical

Sulfatides are endogenous sulfoglycolipids with various biological activities in the central and peripheral nervous systems, pancreas, and immune system. They are produced from the combination of ceramide and UDP-galactose in the endoplasmic reticulum followed by sulfation in the Golgi apparatus. The ceramide portion contains variable fatty acid chain lengths, which are tissue- and pathology-dependent. Sulfatides are primarily found in the myelin sheath of oligodendrocytes and Schwann cells, with smaller chain lengths predominant during development and longer chain lengths predominant in mature cells. They accumulate in the lysosome of patients with metachromatic leukodystrophy, a disorder characterized by arylsulfatase A deficiency. Sulfatides are also located in pancreatic beta-cells and inhibit insulin release from isolated rat pancreatic islet cells, suggesting a potential role in diabetes. Sulfatides can induce inflammation in glia in vitro and certain sulfatides, such as C24:1 3'-sulfo-galactosylceramide, can induce an immune response in vitro in mouse splenocytes. Sulfatides (bovine)(sodium salt) is a mixture of isolated bovine sulfatides.

References

1. An-Shu Chen, et al. Antioxidant activities of chitobiose and chitotriose. Biol Pharm Bull. 2003 Sep;26(9):1326-30.

NCBI AND UNIPROT INFORMATION

Molecular Weight	610.86
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/sulfatides-bovine-sodium-salt/227056>