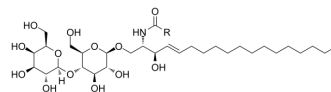


Lactosylceramide (bovine buttermilk)

Cat. No.:	HY-154921
CAS No.:	4682-48-8
Target:	Others; Reactive Oxygen Species
Pathway:	Others; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	Ethanol : 0.65 mg/mL (Need ultrasonic and warming)
----------	--

BIOLOGICAL ACTIVITY

Description	Lactosylceramide (bovine buttermilk) (LacCer (bovine buttermilk)) is a sphingolipid that highly expressed on the plasma membranes of human phagocytes. Lactosylceramide mediates phagocytosis, chemotaxis, and superoxide generation ^[1] .
-------------	---

REFERENCES

[1]. Peters L, et al. Sphingolipids in Atherosclerosis: Chimeras in Structure and Function. *Int J Mol Sci.* 2022 Oct 8;23(19):11948.

[2]. Iwabuchi K, et al. Role of Ceramide from Glycosphingolipids and Its Metabolites in Immunological and Inflammatory Responses in Humans. *Mediators Inflamm.* 2015;2015:120748.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA