



Product Information

Product ID G0244

CAS No. 158021-47-7

Chemical Name N-[(2S,3S,4R)-1-(α -D-Galactopyranosyloxy)-3,4-dihydroxy-2-octadecanyl]hexacosanamide

Synonym alpha-Gal-Cer, KRN7000

Formula C₅₀H₉₉NO₉

Formula Wt. 858.34

Melting Point

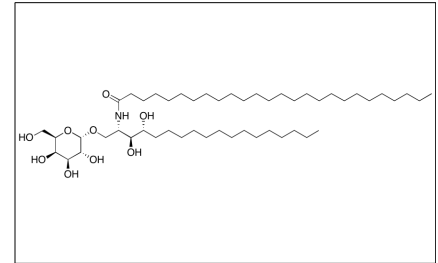
Purity \geq 96%

Solubility Soluble in pyridine.
Solubilization in Tween20 or PBS for cell culture use see online protocol.

Store Temp -20° C

Ship Temp Blue Ice

Description α -Galactosylceramide is a synthetic glycolipid found in *Agelas mauritanicus* and other marine sponges. α -Galactosylceramide exhibits immunostimulatory activity, binding CD1d on antigen-presenting cells such as NK cells. This compound is also used to tag or stain immune cells in research models.



Bulk quantities available upon request

Product ID	Size
G0244	250 μ g
G0244	1 mg

References Zhang F, Zhu Z, Meadows GG, et al. Chronic alcohol consumption inhibits melanoma growth but decreases the survival of mice immunized with tumor cell lysate and boosted with α -galactosylceramide. *Int Immunopharmacol.* 2015 Sep;28(1):359-68. PMID: 26118634.

Macho-Fernandez E, Brigl M. The Extended Family of CD1d-Restricted NKT Cells: Sifting through a Mixed Bag of TCRs, Antigens, and Functions. *Front Immunol.* 2015 Jul 28;6:362. PMID: 26284062.

Franck RW. C-Galactosylceramide: Synthesis and Immunology. *C R Chim.* 2012 Jan 1;15(1):46-56. PMID: 22408579.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.