



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

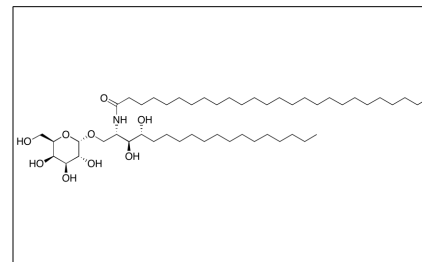
Purity $\geq$ 96%

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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G0244	250 μ g	\$164.70
G0244	1 mg	\$398.80

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.