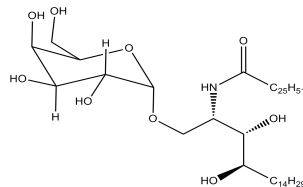


α-Galactosylceramide

ALTERNATE NAME: alpha-Galactosylceramide; αGalCer; KRN7000; (2S,3S,4R)-1-O-(α-D-galactosyl)-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol

CATALOG #: 2152-250 250 µg
2152-1000 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₅₀H₉₉NO₉

MOLECULAR WEIGHT: 858.32

CAS NUMBER: 158021-47-7

APPEARANCE: White to Off-white Solid

Solubility: **For In vivo assay:** Use 5.6% sucrose, 0.75% L-histidine and 0.5% Tween20 with heating at 60-80°C.
For In vitro assay: should be dissolved in DMSO at the concentration of 1 mg/ml with heating at 60-80°C. The solution of 1mg/ml in DMSO can be diluted by PBS.

PURITY: ≥95% by NMR

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: α-GalCer is a specific ligand for human and mouse natural killer T (NKT) cells; exhibits potent anti-tumor activity with murine in vivo experiments including subcutaneous implanted model and metastatic models in the liver and lung. KRN7000 has been reported to show various immunological effects in infectious diseases, autoimmune disease and graft versus host disease in mice.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Sphingosine Kinase 1 (SPK1) Antibody (**Cat. No. 3883-100**)
Sphingosine Kinase 2 (SPK2) Antibody (**Cat. No. 3884-100**)
Sphingosine Kinase Inhibitor, SKI-I (**Cat. No. 2046-5, 25**)
Sphingosine Kinase Inhibitor, SKI-II (**Cat. No. 2047-5, 25**)
PhosphoSeek™ Sphingosine Kinase Assay Kit (**Cat. No. K08-400**)

FOR RESEARCH USE ONLY! Not to be used in humans.