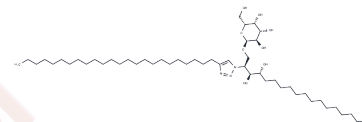


α -GalCer analog 8

Chemical Properties

CAS No. :	922727-14-8
Formula:	C50H97N3O8
Molecular Weight:	868.339
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	α -Galactosylceramide analog 8 (α -GalCer analog 8) is a triazole derivative of α -galactosylceramide. [1] It increases IL-2 secretion by DN32.D3 NKT hybridoma cells when co-cultured with CD1d-transfected RBL cells pre-loaded with α -GalCer analog 8 at a concentration of 32 ng/ml. α -GalCer analog 8 (32 ng/ml) induces IL-4 secretion to a greater extent than the synthetic α -GalCer KRN 7000 in mouse splenocytes in vitro and in mouse serum following administration of a 1 μ g per animal dose, indicating a Th2 response.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: Soluble Methanol: Soluble DMSO: Soluble DMF: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1516 mL	5.7581 mL	11.5162 mL
5 mM	0.2303 mL	1.1516 mL	2.3032 mL
10 mM	0.1152 mL	0.5758 mL	1.1516 mL
50 mM	0.023 mL	0.1152 mL	0.2303 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lee, T., Cho, M., Ko, S.-Y., et al. Synthesis and evaluation of 1,2,3-triazole containing analogues of the immunostimulant α -GalCer. J. Med. Chem. 50(3), 585-589 (2007).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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