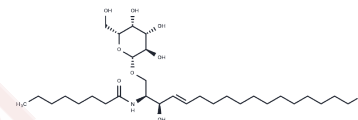


## C8 Galactosylceramide (d18:1/8:0)

## Chemical Properties

CAS No. :	41613-16-5
Formula:	C32H61NO8
Molecular Weight:	587.83
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	C8 Galactosylceramide is a synthetic C8 short-chain derivative of known membrane microdomain-forming sphingolipids. It increases the amount delivered and toxicity of doxorubicin in cancerous but not non-cancerous cells when incorporated into the nanoliposomal membrane of nanoliposomal-doxorubicin. C8 Galactosylceramide induces proliferation and cytokine production by splenocytes in vitro at concentrations ranging from 100-1,000 ng/ml but has no effect on natural killer T cell production in vivo. It also activates NF-κB production in C6 glioma cells when used at a concentration of 10 μM.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7012 mL	8.5059 mL	17.0117 mL
5 mM	0.3402 mL	1.7012 mL	3.4023 mL
10 mM	0.1701 mL	0.8506 mL	1.7012 mL
50 mM	0.034 mL	0.1701 mL	0.3402 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481