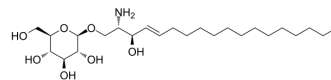


Glucosylsphingosine

Cat. No.:	HY-N7745
CAS No.:	52050-17-6
Molecular Formula:	C ₂₄ H ₄₇ NO ₇
Molecular Weight:	461.63
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (270.78 mM; Need ultrasonic)
DMSO : 100 mg/mL (216.62 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.1662 mL	10.8312 mL	21.6624 mL
	5 mM	0.4332 mL	2.1662 mL	4.3325 mL
	10 mM	0.2166 mL	1.0831 mL	2.1662 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Glucosylsphingosine (lyso-Gb1) is a deacylated form of glucosylceramide and is also degraded by the glucocerebrosidase. Glucosylsphingosine is a very promising, reliable and specific biomarker for monitoring Gaucher disease^[1].

REFERENCES

- [1]. Hurvitz N, et al. Glucosylsphingosine (lyso-Gb1) as a Biomarker for Monitoring Treated and Untreated Children with Gaucher Disease. Int J Mol Sci. 2019 Jun

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA