



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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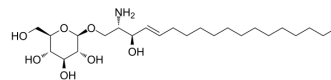
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Glucosylsphingosine

| | |
|--------------------|--|
| 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.

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