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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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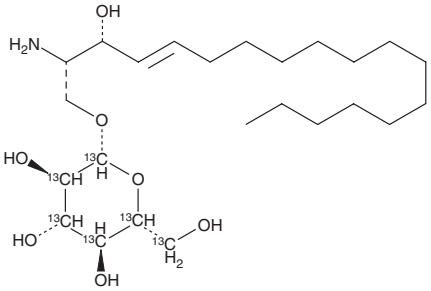
PRODUCT INFORMATION

$^{13}C_6$ Glucosylsphingosine (d18:1)

Item No. 23212

CAS Registry No.:	299172-48-8
Formal Name:	2S-amino-3R-hydroxy-4E-octadecen-1-yl, β-D-glucopyranoside-1,2,3,4,5,6-$^{13}C_6$
Synonyms:	1-β-D-Glucosyl-1,2,3,4,5,6-$^{13}C_6$-sphingosine, $^{13}C_6$-Glucosylsphingosine
MF:	$C_{18}[^{13}C]_6H_{47}NO_7$
FW:	467.6
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

$^{13}C_6$ Glucosylsphingosine (d18:1) is supplied as a solid. A stock solution may be made by dissolving the $^{13}C_6$ glucosylsphingosine (d18:1) in the solvent of choice. $^{13}C_6$ Glucosylsphingosine (d18:1) is soluble in ethanol, methanol, and a 2:1 solution of chloroform:methanol.

Description

$^{13}C_6$ Glucosylsphingosine is an isotopically enriched form of 1-β-D-glucosylsphingosine (d18:1) (Item No. 23211) that is intended for use as an internal standard for the quantification of 1-β-D-glucosylsphingosine by GC- or LC-MS. 1-β-D-Glucosylsphingosine is a lysolipid derivative of glucosylcerebroside that decreases activity of glucocerebrosidase in LA-N-2 cells in a dose-dependent manner.[1,2]

References

1. Murugesan, V., Chuang, W.-L., Liu, J., *et al.* Glucosylsphingosine is a key biomarker of Gaucher disease. *Am. J. Hematol.* **91(11)**, 1082-1089 (2016).
2. Schueler, U.H., Kolter, T., Kaneski, C.R., *et al.* Toxicity of glucosylsphingosine (glucopsychosine) to cultured neuronal cells: A model system for assessing neuronal damage in Gaucher disease type 2 and 3. *Neurobiol. Dis.* **14(3)**, 595-601 (2003).

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