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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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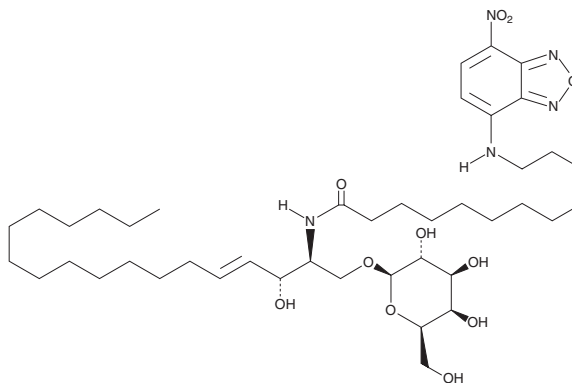
PRODUCT INFORMATION



C12 NBD Galactosylceramide (d18:1/12:0)

Item No. 22851

CAS Registry No.: 474942-98-8
Formal Name: N-[(1S,2R,3E)-1-[(β-D-galactopyranosyloxy)methyl]-2-hydroxy-3-heptadecen-1-yl]-12-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]-dodecanamide
Synonyms: C12 NBD Galactosylceramide, NBD Galactosylceramide (d18:1/12:0), C12-NBD GalCer, NBD GalCer(d18:1/12:0)
MF: C₄₂H₇₁N₅O₁₁
FW: 822.0
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

C12 NBD galactosylceramide (d18:1/12:0) is supplied as a solid. A stock solution may be made by dissolving the C12 NBD galactosylceramide (d18:1/12:0) in the solvent of choice. C12 NBD galactosylceramide (d18:1/12:0) is soluble in chloroform and DMSO and a 2:1 solution of chloroform:methanol.

Description

C12 NBD galactosylceramide is a biologically active derivative of galactosylceramide that is tagged with a fluorescent C12 nitrobenzoxadiazole (C12 NBD) group.¹ C12 NBD galactosylceramide has been used as an internal standard to detect products of C12 NBD ceramide glycosylation.

Reference

1. Turáková, K., Pavlíková, L., Messingerová, L., *et al.* Reduced UDP-glucose levels are associated with P-glycoprotein over-expression in L1210 cells and limit glucosylceramide synthase activity. *Anticancer Res.* **35(5)**, 2627-2634 (2015).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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