



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# PRODUCT INFORMATION



## C18 Globotriaosylceramide-d<sub>3</sub> (d18:1/18:0-d<sub>3</sub>)

Item No. 24626

**Formal Name:** N-((2S,3R,E)-1-(((2R,3R,4R,5S,6R)-5-(((2S,3R,4R,5R,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-(((2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)oxy)-3,4-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-3-hydroxyoctadec-4-en-2-yl)octadecanamide-d<sub>3</sub>

**Synonyms:** Gal $\alpha$ 1-4Gal $\beta$ 1-4Glc $\beta$ -Cer(d18:1/18:0) d<sub>3</sub>, Gb3(d18:1/18:0-d<sub>3</sub>), Globotriaosylceramide-d<sub>3</sub> (d18:1/18:0-d<sub>3</sub>)

**MF:** C<sub>54</sub>H<sub>98</sub>D<sub>3</sub>NO<sub>18</sub>

**FW:** 1,055.4

**Chemical Purity:**  $\geq$ 98% (C18 Globotriaosylceramide)

**Deuterium**

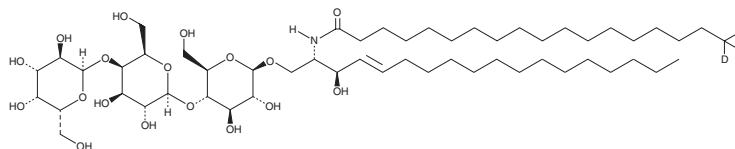
**Incorporation:**  $\geq$ 99% deuterated forms (d<sub>1</sub>-d<sub>3</sub>);  $\leq$ 1% d<sub>0</sub>

**Supplied as:** A solid

**Storage:** -20°C

**Stability:**  $\geq$ 2 years

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



### Laboratory Procedures

C18 Globotriaosylceramide-d<sub>3</sub> (d18:1/18:0-d<sub>3</sub>) is supplied as a solid. A stock solution may be made by dissolving the C18 globotriaosylceramide-d<sub>3</sub> (d18:1/18:0-d<sub>3</sub>) in the solvent of choice. C18 Globotriaosylceramide-d<sub>3</sub> (d18:1/18:0-d<sub>3</sub>) is soluble in DMSO and in a 2:1 solution of chloroform:methanol.

### Description

C18 Globotriaosylceramide-d<sub>3</sub> is intended for use as an internal standard for the quantification of C18 globotriaosylceramide by GC- or LC-MS. C18 globotriaosylceramide is an endogenous sphingolipid that accumulates in the brain, heart, kidney, liver, lung, and spleen in a mouse model of Fabry disease, a lysosomal storage disorder characterized by a deficiency in the enzyme  $\alpha$ -galactosidase A.<sup>1</sup>

### Reference

1. Kamani, M.A., Provençal, P., Boutin, M., *et al.* Glycosphingolipid storage in Fabry mice extends beyond globotriaosylceramide and is affected by ABCB1 depletion. *Future Sci. OA.* **2(4):FS0147**, (2016).

#### 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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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897

[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM

WWW.CAYMANCHEM.COM