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Produktinformation



Forschungsprodukte & Biochemikalien



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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

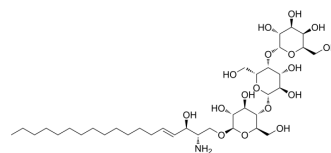
mail@szabo-scandic.com

www.szabo-scandic.com

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

Globotriaosylsphingosine

Cat. No.:	HY-N12408
CAS No.:	126550-86-5
Molecular Formula:	C ₃₆ H ₆₇ NO ₁₇
Molecular Weight:	785.91
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Globotriaosylsphingosine (lyso-Gb3) inhibits the growth of fibroblasts, as well as their differentiation into myofibroblasts, and collagen expression. Globotriaosylsphingosine can be used for Fabry disease research ^[1] .
In Vitro	Globotriaosylsphingosine (100 nM, 500 nM; 24 h) reduces KCa3.1 mRNA expression levels and Glo1a1 and Glo3a1 protein levels ^[1] . Globotriaosylsphingosine (50-500 nM, 24 h) dose-dependently inhibits fibroblast growth, differentiation into myofibroblasts, and collagen synthesis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Choi JY, et al. Lyso-globotriaosylceramide downregulates KCa3.1 channel expression to inhibit collagen synthesis in fibroblasts. *Biochem Biophys Res Commun*. 2015 Dec 25;468(4):883-8.
- [2]. Auray-Blais C, et al. How well does urinary lyso-Gb3 function as a biomarker in Fabry disease? *Clin Chim Acta*. 2010 Dec 14;411(23-24):1906-14.

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