



SZABO SCANDIC

Part of Europa Biosite

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

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

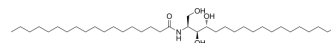
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Ceramide 3

Cat. No.:	HY-141582
CAS No.:	34354-88-6
Molecular Formula:	C ₃₆ H ₇₃ NO ₄
Molecular Weight:	583.97
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

Methanol : 1 mg/mL (1.71 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7124 mL	8.5621 mL	17.1242 mL
	5 mM		---	---	---
	10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

C18 Phytoceramide (t18:0/18:0) (Cer(t18:0/18:0)) is a bioactive sphingolipid found in the stratum corneum of *Saccharomyces cerevisiae*, wheat grain, and mammalian epidermis. Cer(t18:0/18:0) consists of a phytosphingosine backbone amine linked to a C18 fatty acid chain. Cer(t18:0/18:0) has the function of regulating apoptosis, cell differentiation, proliferation of smooth muscle cells and inhibition of mitochondrial respiratory chain. It also suppresses the expression of allergic cytokines IL-4, TNF- α , and transcription factors c-Jun and NF- κ B in histone-stimulated mouse skin tissue. Formulations containing cer(t18:0/18:0) have been used as skin protectants in cosmetics as they reduce water loss and prevent epidermal dehydration and irritation.

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