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

www.szabo-scandic.com

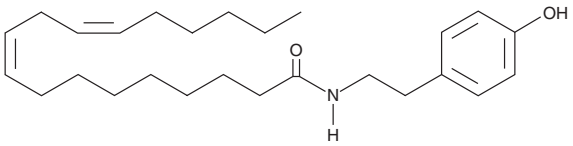
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Termitomycamide E

Item No. 11191

CAS Registry No.:	1177258-62-6
Formal Name:	N-[2-(4-hydroxyphenyl)ethyl]-9Z,12Z-octadecadienamide
Synonym:	2'-Deoxotermitomycamide A
MF:	$C_{26}H_{41}NO_2$
FW:	399.6
Purity:	≥98%
Stability:	≥2 years at -20°C
Supplied as:	A crystalline solid
UV/Vis.:	λ_{max}: 225, 279, 349 nm



Laboratory Procedures

For long term storage, we suggest that termitomycamide E be stored as supplied at -20°C. It should be stable for at least two years.

Termitomycamide E is supplied as a crystalline solid. A stock solution may be made by dissolving the termitomycamide E in the solvent of choice. Termitomycamide E is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of termitomycamide E in these solvents is approximately 30 mg/ml.

Termitomycamide E is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, termitomycamide E should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Termitomycamide E has a solubility of approximately 0.05 mg/ml in a 1:20 solution of ethanol:PBS (pH 7.2) using this method.We do not recommend storing the aqueous solution for more than one day.

Description

Endoplasmic reticulum (ER) stress, caused by accumulation of misfolded proteins and a disruption of calcium homeostasis, has been linked to several neuronal diseases including, Parkinson's, Alzheimer's, and prion diseases. A screen for protective activity against ER stress-dependent cell death identified termitomycamides, extracts from the fruiting bodies of *T. titanicus*, a notably large edible mushroom that is cultivated symbiotically in the nests of termites. Termitomycamide E is a fatty acid isolated from *T. titanicus* that at a dose of 0.1 µg/ml protects against ER stress-dependent cell death in Neuro2a cells induced by tunicamycin.[1]

References

1. Choi, J.-H., Maeda, K., Nagai, K., *et al*. Termitomycamides A to E, fatty acid amides isolated from the mushroom *Termitomyces titanicus*, suppress endoplasmic reticulum stress. *Org. Lett*. **12(21)**, 5012-5015 (2010).

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