



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

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

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

# Sphingosine

Protein Kinase C inhibitor  
Catalog No. SIH-202



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

Sphingosine

### Description

Protein Kinase C inhibitor

### Purity

>98%

### CAS No.

123-78-4

### Molecular Formula

C18H37NO2

### Molecular Weight

299.49

## Properties

---

### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 100 mM in DMSO

### Source

Synthetic

### Appearance

Solid

### SMILES

CCCCCCCCCCCC/C=C/[C@H]([C@H](CO)N)O

### InChi

InChi=1S/C18H37NO2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-18(21)17(19)16-20/h14-15,17-18,20-21H,2-13,16,19H2,1H3/b15-14+/t17-,1

8+/m0/s1

## InChIKey

WWUZIQQURGPMPG-KRWOKUGFSA-N

## Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

## Cite This Product

Sphingosine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-202)

## Biological Description

### Alternative Names

(2S,3R,4E)-2-Amino-4-octadecene-1,3-diol

### Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Tyrosine Kinase Inhibitors

### PubChem ID

5280335

### Scientific Background

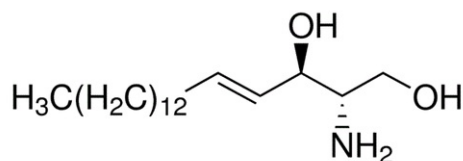
Sphingosine can be phosphorylated in vivo via two kinases which leads to the formation of a potent signaling lipid. It is a selective inhibitor of protein kinase C, but does not inhibit protein kinase A or myosin light chain kinase. It also inhibits calmodulin-dependent enzymes and is the precursor of ceramide.

### References

1. Radin N. (2003) Biochem J. 371(Pt2): 243-256.
2. Carter H.E., Glick F.J., Norris W.P., Phillips G.E. (1947) J Biol Chem. 170: 285-295.

## Product Images

Chemical structure of Sphingosine (SIH-202), a Protein Kinase C inhibitor. CAS #: 123-78-4. Molecular Formula: C<sub>18</sub>H<sub>37</sub>NO<sub>2</sub>. Molecular Weight: 299.49 g/mol.



## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.