



# 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

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# Phytosphingosine

Kinase Activator  
Catalog No. SIH-524



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Phytosphingosine

### Description

Kinase Activator

### Purity

>98% (TLC); NMR (Conforms)

### CAS No.

554-62-1

### Molecular Formula

C<sub>18</sub>H<sub>39</sub>NO<sub>3</sub>

### Molecular Weight

317.5

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Activator

### Solubility

Soluble to 2 mg/ml in ethanol

### Source

Isolated from *Saccharomyces cerevisiae*

### Appearance

White powder

### SMILES

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

### InChI

InChI=1S/C18H39NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-17(21)18(22)16(19)15-20/h16-18,20-22H,2-15,19H2,1H3/t16-,17+,18-/m0/s1

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**InChIKey**

AERBNCYCJBRYDG-KSZLIROESA-N

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**Safety Phrases**

Classification: Not WHMIS controlled.

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.

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**Cite This Product**

Phytosphingosine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-524)

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**Biological Description**

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**Alternative Names**

(2S,3R,4R)-Octadecane-1,2,3,4-tetraol

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**Research Areas**

Cancer, Oxidative Stress

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**PubChem ID**

122121

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**Scientific Background**

Phytosphingosine is a naturally occurring component found in yeast, plants and animals. In yeast, it is involved in mediating the heat stress response. Phytosphingosine has been found to be pro-apoptotic in certain cancer cell lines. It is thought to activate the p38 MAPK pathway, followed by release of cytochrome c and activation of caspase 3, ultimately leading to programmed cell death.

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**References**

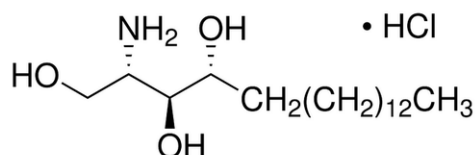
1. Fischer C., et al. (2013) Skin Pharmacol Physiol. 26(1): 36-44.

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**Product Images**

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Chemical structure of Phytosphingosine (SIH-524), a Antibacterial. CAS #: 554-62-1.  
Molecular Formula: C<sub>18</sub>H<sub>39</sub>NO<sub>3</sub>. Molecular Weight: 317.5 g/mol.

**Product Citations (0)**

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.