



# 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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## Wortmannin

Autophagy inhibitor  
Catalog No. SIH-392



Discovery through partnership | Excellence through quality

### Overview

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#### Product Name

Wortmannin

#### Description

Autophagy inhibitor

#### Purity

>98%

#### CAS No.

19545-26-7

#### Molecular Formula

C<sub>11</sub>H<sub>11</sub>O<sub>1</sub>

#### Molecular Weight

428.44

### Properties

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#### Storage Temperature

-20°C

#### Shipping Temperature

Shipped Ambient

#### Product Type

Inhibitor

#### Solubility

Soluble in DMSO (50 mg/ml), methanol (5 mg/ml) or 100% ethanol (25 mg/ml).

#### Source

Synthetic

#### Appearance

White to off-white solid.

#### SMILES

[C@@]15(C4=C(C(C2=C1[C@@H])(C[C@]3([C@H]2CCC3=O)C)OC(=O)C)=O)OC=C4C(O[C@@H]5COC)=O)C

#### InChI

InChI=1S/C23H24O8/c1-10(24)30-13-7-22(2)12(5-6-14(22)25)16-18(13)23(3)15(9-28-4)31-21(27)11-8-29-20(17(11)23)19(16)26/h8,12-13,1

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## InChIKey

QDLHCMPXEPAAMD-QAIWCSMKSA-N

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## Safety Phrases

Classification: D1A- Very Toxic Material Causing Immediate and Serious Toxic Effects, Highly toxic by ingestion, Highly toxic by skin absorption

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.

Hazard statements:

H300 + H310- Fatal if swallowed or in contact with skin

H330- Fatal if inhaled.

Precautionary statements:

P260- Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264- Wash hands thoroughly after handling.

P280- Wear protective gloves/ protective clothing.

P284- Wear respiratory protection.

P302 + P350- IF ON SKIN: Gently wash with plenty of soap and water.

P310- Immediately call a POISON CENTER or doctor/ physician.

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## Cite This Product

Wortmannin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-392)

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## Biological Description

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### Alternative Names

SL-2052, KY12420

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### Research Areas

Cancer, Autophagy

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### PubChem ID

312145

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### Scientific Background

Wortmannin is a steroid metabolite from the fungi *Penicillium funiculosum*. It specifically and irreversibly inhibits phosphatidylinositol 3-kinase (PI3-K). This in turn has been shown to inhibit the metabolic effects of insulin, yet the insulin receptor kinase activity is not altered. Because PI3-K is involved in membrane trafficking, and membrane trafficking is important in autophagy, Wortmannin also inhibits autophagy.

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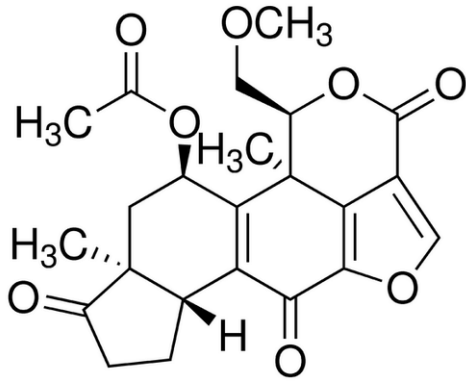
### References

1. Powis G., et al. (1994). *Cancer Res.* 54(9): 2419-23.
  2. Hazeki O., et al. (1996). *J Lipid Mediat Cell Signal.* 14(1-3): 259-61.
  3. Lee A., et al. (1995). *FEBS Lett.* 361(1): 51-4.
  4. Blommaert E. F., et al. (1997). *Eur J Biochem.* 243(1-2): 240-6.
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## Product Images

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Chemical structure of Wortmannin (SIH-392), a Autophagy inhibitor. CAS #: 19545-26-7. Molecular Formula: C<sub>23</sub>H<sub>24</sub>O<sub>8</sub>. Molecular Weight: 428.44 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.