



# 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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# Etoposide

Topoisomerase II inhibitor  
Catalog No. SIH-244



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Etoposide

### Description

Topoisomerase II inhibitor

### Purity

>98%

### CAS No.

33419-42-0

### Molecular Formula

C<sub>11</sub>H<sub>10</sub>O<sub>2</sub>

### Molecular Weight

588.56

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inducer

### Solubility

Soluble to 100 mM in DMSO

### Source

Synthetic

### Appearance

White solid

### SMILES

C[C@@H]1OC[C@@H]2[C@@H](O1)[C@@H]([C@H]([C@@H](O2)O)[C@H]3[C@H]4COC(=O)[C@@H]4[C@@H](C5=CC6=C(C=C35)OCO6)C7=CC(=C(C(=C7)OC)O)O)O

### InChI

InChI=1S/C29H32O13/c1-11-36-9-20-27(40-11)24(31)25(32)29(41-20)42-26-14-7-17-16(38-10-39-17)6-13(14)21(22-15(26)8-37-28(22)33)12-4-18(34-2)23(30)1

### InChIKey

VJJJUSNTGOMMGY-MRAJQDPKSA-N

### Safety Phrases

Classification: Toxic. May be harmful or fatal 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

S53 - Avoid exposure - obtain special instruction before use

Risk Phrases:

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R45 - May cause cancer

R62 - Possible risk of impaired fertility

R68 - Possible risk of irreversible effects

Hazard Phrases:

H302-H350

Precautionary Phrases:

P201-P308 + P313

### Cite This Product

Etoposide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-244)

## Biological Description

### Alternative Names

(5S,5aR,8aR,9R)-9-(4-Hydroxy-3,5-dimethoxyphenyl)-8-oxo-5,5a,6,8,8a,9-hexahydrofuro[3',4':6,7]naphtho[2,3-d][1,3]dioxol-5-yl 4,6-O-[(1R)-ethylidene]-?-D-glucopyranoside

### Research Areas

Cancer, Apoptosis

### PubChem ID

36462

### Scientific Background

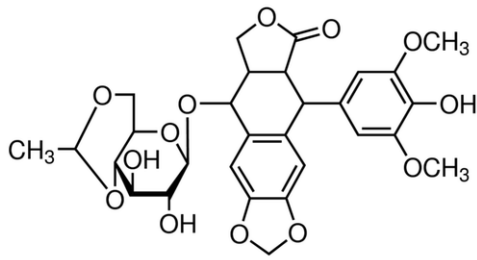
Etoposide inhibits the enzyme topoisomerase II, which unwinds DNA, and by doing so causes the DNA strand to break. Cancer cells are then less likely to be able to repair this damage (1).

### References

1. Gordaliza M., et al. (2004) *Toxicol.* 44(4): 441-459.

## Product Images

Chemical structure of Etoposide (SIH-244), a Topoisomerase II inhibitor. CAS #: 33419-42-0. Molecular Formula: C<sub>29</sub>H<sub>32</sub>O<sub>13</sub>. Molecular Weight: 588.56 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.