



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

Picropodophyllotoxin

IGF1R inhibitor
Catalog No. SIH-467



Discovery through partnership | Excellence through quality

Overview

Product Name

Picropodophyllotoxin

Description

IGF1R inhibitor

Purity

>96% (HPLC)

CAS No.

477-47-4

Molecular Formula

C₁₁H₁₀O₁

Molecular Weight

414.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (10 mg/ml, warm) or dimethyl formamide (25 mg/ml)

Source

Synthetic

Appearance

White solid

SMILES

[C@H]25[C@H]([C@@H](C1=CC3=C(C=C1[C@@H]2O)OCO3)C4=CC(=C(C(=C4)OC)OC)OC)C(OC5)=O

InChI

InChI=1S/C22H22O8/c1-25-16-4-10(5-17(26-2)21(16)27-3)18-11-6-14-15(30-9-29-14)7-12(11)20(23)13-8-28-22(24)19(13)18/h4-7,13,18-2

0,23H,8-9H2,1-3H3/t13-,18+,19+,20-/m0/s1

InChIKey

YJGVMLPVUAXIQN-HAEOHBJNSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301

Acute toxicity, Dermal (Category 4), H312

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity -single exposure (Category 3), Respiratory system, H335

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:

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P322 Specific measures (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well - ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

Picropodophyllotoxin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-467)

Biological Description

Alternative Names

Picropodophyllin, NSC 36407, PPP, (5R,5aS,8aR,9R)-5,8,8a,9-Tetrahydro-9-hydroxy-5-(3,4,5-trimethoxyphenyl)-furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-6(5aH)-one

Research Areas

Cell Signaling

PubChem ID

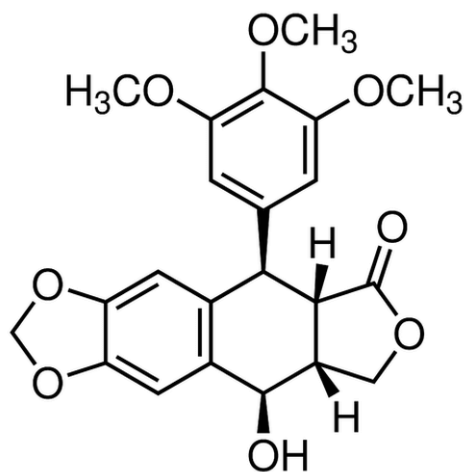
Scientific Background

Picropodophyllotoxin is an inhibitor of insulin-like growth factor 1 receptor (IGF1R). Specifically, it inhibits IGF1R autophosphorylation. It has also been seen to increase the fraction of cells in the G2/M phase, reduce pAKT and pERK1/2, and upregulate apoptosis. Picropodophyllotoxin exhibits antiproliferative effects in multiple cancer cell lines.

References

1. Girnita A., et al. (2004) *Cancer Res.* 64(1): 236242.
2. Strömberg T., et al. (2006) *Blood.* 107(2): 669678.

Product Images



Chemical structure of Picropodophyllotoxin (SIH-467), a IGF1R inhibitor. CAS #: 477-47-4. Molecular Formula: C₂₂H₂₂O₈. Molecular Weight: 414.4 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.