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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Deguelin

Akt inhibitor
Catalog No. SIH-251



Discovery through partnership | Excellence through quality

Overview

Product Name

Deguelin

Description

Akt inhibitor

Purity

>98%

CAS No.

522-17-8

Molecular Formula

C₁₁H₁₀O₁

Molecular Weight

394.42

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble to 50 mM in ethanol and to 100 mM in DMSO

Source

Synthetic

Appearance

Cream Solid

SMILES

CC1(C=CC2=C(O1)C=CC3=C2O[C@@H]4COC5=CC(=C(C=C5[C@@H]4C3=O)OC)OC)C

InChI

InChI=1S/C23H22O6/c1-23(2)8-7-12-15(29-23)6-5-13-21(24)20-14-9-17(25-3)18(26-4)10-16(14)27-11-19(20)28-22(12)13/h5-10,19-20H

InChIKey

ORDAZKGHNSNRHTD-UXHICEINSA-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

Deguelin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-251)

Biological Description

Alternative Names

(7aS,13aS)-9,10-Dimethoxy-3,3-dimethyl-13,13a-dihydro-3H-chromeno[3,4-b]pyrano[2,3-h]chromen-7(7aH)-one

Research Areas

Cancer, Apoptosis

PubChem ID

107935

Scientific Background

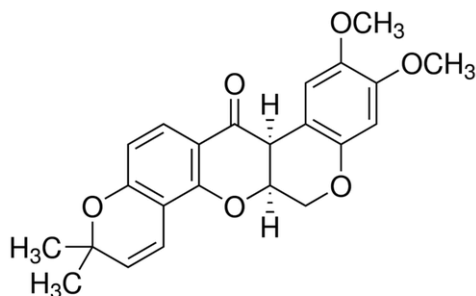
Deguelin is a rotenoid, and a naturally occurring insecticide. Deguelin displays anti-cancer activity by inhibiting the growth of pre-cancerous and cancerous cells (1). High doses may have negative effects on the heart, lungs and nerves however. Deguelin has also been shown to have a correlation with Parkinsons disease in rats (2).

References

1. Lee H.Y. (2004) *Biochem Pharmacol.* 68(6): 1119-1124.
 2. Caboni P., et al. (2004) *Chem Res. Toxicol.* 17(11): 1540-1548.
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Product Images

Chemical structure of Deguelin (SIH-251), a Akt inhibitor. CAS #: 522-17-8. Molecular Formula: C₂₃H₂₂O₆. Molecular Weight: 394.42 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.