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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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R(-)-Gossypol

Bcl-2 inhibitor
Catalog No. SIH-223



Discovery through partnership | Excellence through quality

Overview

Product Name

R(-)-Gossypol

Description

Bcl-2 inhibitor

Purity

>98%

CAS No.

303-45-7

Molecular Formula

C₁₈H₁₆O₂

Molecular Weight

518.56

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble to 25 mM in ethanol and in DMSO.

Source

Synthetic

Appearance

Dark Yellow Solid

SMILES

CC1=CC2=C(C(=C(C(=C2C(C)C)O)O)C=O)C(=C1C3=C(C4=C(C=C3C)C(=C(C(=C4C=O)O)O)C(C)C)O)O

InChI

InChI=1S/C30H30O8/c1-11(2)19-15-7-13(5)21(27(35)23(15)17(9-31)25(33)29(19)37)22-14(6)8-16-20(12(3)4)30(38)26(34)18(10-32)24(16)28

InChIKeyQBKSWRWVCFDOT-UHFFFAOYSA-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

Risk Phrases:

R62- Possible risk of impaired fertility

R68- Possible risk of irreversible effects

Hazard Phrases:

H351

Precautionary Phrases:

P281

Cite This Product

R(-)-Gossypol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-223)

Biological Description

Alternative Names

1,1',6,6',7,7'-Hexahydroxy-5,5'-diisopropyl-3,3'-dimethyl-2,2'-binaphthalene-8,8'-dicarbaldehyde, Gossypol

Research Areas

Cancer, Apoptosis

PubChem ID

3503

Scientific Background

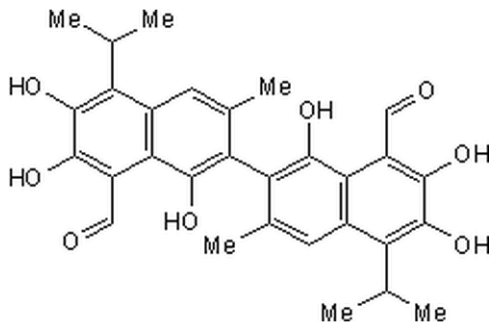
Gossypol is a natural phenol derived from the cotton plant, and is a phenolic aldehyde that permeates cells and acts as an inhibitor for several dehydrogenase enzymes. It has proapoptotic properties, due to the regulation of the Bax and Bcl2. It also reversibly inhibits calcineurin and binds to calmodulin (1, 2).

References

1. www.bioscreening.net Gossypol
 2. Carruthers N.J., Dowd M.K., and Stemmer P.M. (2007) Eur J Pharmacol. 555(2-3): 106-114.
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Product Images

Chemical structure of R(-)-Gossypol (SIH-223), a Bcl-2 inhibitor. CAS #: 303-45-7.
Molecular Formula: C₃₀H₃₀O₈. Molecular Weight: 518.56 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.