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Lieferung & Zahlungsart

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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)

Garcinol

HAT inhibitor
Catalog No. SIH-355



Discovery through partnership | Excellence through quality

Overview

Product Name

Garcinol

Description

HAT inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

78824-30-3

Molecular Formula

C₁₁H₁₀O₁

Molecular Weight

602.8

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in 25 mg/ml DMSO or 25 mg/ml Ethanol

Source

Synthetic

Appearance

Yellow solid

SMILES

CC(=CC[C@@H]1C[C@@]2(C(=C(C(=O)[C@@](C2=O)(C1(C)C)CC=C(C)C(=O)C3=CC(=C(C=C3)O)O)O)[C@H](CC=C(C)C(=C)C)C

InChI

InChI=1S/C38H50O6/c1-22(2)11-13-27(25(7)8)20-37-21-28(15-12-23(3)4)36(9,10)38(35(37)44,18-17-24(5)6)34(43)31(33(37)42)32(41)26-14

InChIKey

DTTONLKLWRTCAB-UDFURZHRSA-N

Safety Phrases

Classification: Caution- Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Cite This Product

Garcinol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-355)

Biological Description

Alternative Names

Camboginol, 3-(3,4-dihydroxybenzoyl)-4-hydroxy-8,8-dimethyl-1,7-bis(3-methyl-2-buten-1-yl)-5-[(2S)-5-methyl-2-(1-methylethenyl)-4-hexen-1-yl]-bicyclo[3.3.1]non-2,9-dione

Research Areas

Cell Signaling, Epigenetics

PubChem ID

5490884

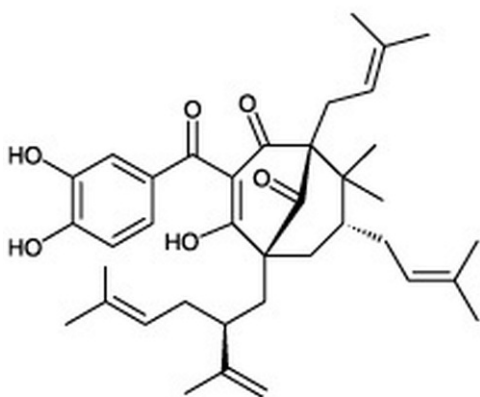
Scientific Background

Potent inhibitor of histone acetyl transferases p300 (IC₅₀=7 mM) and pCAF (IC₅₀=5 mM) (1). Induces apoptosis in various cell lines (2). Promotes expansion of human hematopoietic stem cells(3). Cell permeable.

References

1. Balasubramanyam K., et al., (2004) J. Biol. Chem. 279: 33716.
2. Parasramka M.A., et al. (2011) Nutr. Cancer. 63: 456.
3. Nishino T., et al. (2011) Nutr. PLoS One 6: e24298.

Product Images



Chemical structure of Garcinol (SIH-355), a HAT inhibitor. CAS #: 78824-30-3. Molecular Formula: C₃₈H₅₀O₆. Molecular Weight: 602.8 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.