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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Sirtinol

SIRT inhibitor
Catalog No. SIH-360



Discovery through partnership | Excellence through quality

Overview

Product Name

Sirtinol

Description

SIRT inhibitor

Purity

>98%

CAS No.

410536-97-9

Molecular Formula

C₁₈H₁₈N₂O₂

Molecular Weight

394.47

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

Off-white to yellow crystals

SMILES

[C@@H](NC(=O)C1=CC=CC=C1NC=C/C2=CC=CC=C2C(=O)OC3=CC=CC=C3)C

InChI

InChI=1S/C26H22N2O2/c1-18(19-9-3-2-4-10-19)28-26(30)22-13-7-8-14-24(22)27-17-23-21-12-6-5-11-20(21)15-16-25(23)29/h2-18,27H,1

InChIKey

YUGODMKHHCZZOI-QJOMJCCJSA-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

Sirtinol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-360)

Biological Description

Alternative Names

2-[[[2-Hydroxy-1-naphthalenyl)methylene]amino]-N-(1-phenylethyl)benzamide

Research Areas

Cell Signaling, Epigenetics

PubChem ID

5717148

Scientific Background

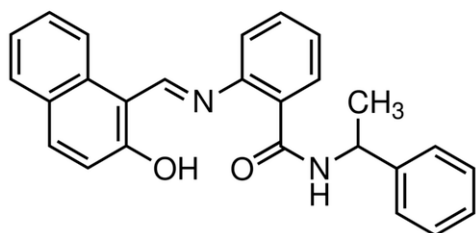
Cell-permeable, selective sirtuin deacetylase inhibitor (IC50 values are 38, 68 and 131 μ M at SIRT2, Sir2p and SIRT1 respectively) that has no effect on HDAC1 activity. Significantly decreases growth and viability of PCa and HEK293T cells in vitro.

References

1. Grozinger CM., et al (2001) J.Biol.Chem. 276: 38837.
2. Mai A., et al (2005) J.Med.Chem. 48: 7789.
3. Kahyo T., et al (2008) J.Pharmacol.Sci. 108: 364.
4. Jung-Hynes B., et al (2009) J.Biol.Chem. 284: 3823.

Product Images

Chemical structure of Sirtinol (SIH-360), a SIRT inhibitor. CAS #: 410536-97-9.
Molecular Formula: C₂₆H₂₂N₂O₂. Molecular Weight: 394.47 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.