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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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24(S)-Hydroxycholesterol

LXR ligand
Catalog No. SIH-384



Discovery through partnership | Excellence through quality

Overview

Product Name

24(S)-Hydroxycholesterol

Description

LXR ligand

Purity

>98%

CAS No.

474-73-7

Molecular Formula

C₂₇H₄₆O₂

Molecular Weight

402.7

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Ligand

Solubility

Soluble in ethanol (10 mg/ml) or DMSO (10 mg/ml - requires warming up to ~40°C).

Source

Synthetic

Appearance

White solid

SMILES

[C@]24[C@@H]([C@@H]1CC=C3[C@@]([C@H]1CC2)CC[C@H](O)C3)CC[C@@H]4[C@@H](CC[C@@H](C(C)C)O)C

InChI

InChI=1S/C27H46O2/c1-17(2)25(29)11-6-18(3)22-9-10-23-21-8-7-19-16-20(28)12-14-26(19,4)24(21)13-15-27(22,23)5/h7,17-18,20-25,28-2

9H,6,8-16H2,1-5H3/t18-,20+,21+,22-,23+,24+,25+,26+,27-/m1/s1

InChIKey

IOWMKBFJCNLRTC-XWXSNNQWSA-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

24(S)-Hydroxycholesterol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-384)

Biological Description

Alternative Names

(3?,24S)-Cholest-5-ene-3,24-diol

Research Areas

Cell Signaling

PubChem ID

121948

Scientific Background

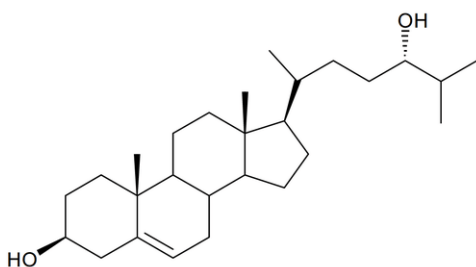
Endogenous agonist for the nuclear receptor LXR. Important metabolite of cholesterol in the brain. Displays neurotoxic effects on human neuroblastoma cells. Cerebrospinal fluid concentrations of 24(S)-hydroxycholesterol are increased in patients with Alzheimers disease and mild cognitive impairment.

References

1. Chawla A., et al. (2001) Science. 294(5548): 1866-70.
2. Lütjohann D., et al. (1996) Proc. Natl. Acad. Sci. USA. 93(18): 9799-804.
3. Kölsch H., et al. (1999) Brain Res. 818(1): 171-5.
4. Schönknecht P., et al. (2002) Neurosci. Lett. 324(1): 83-5.
5. Leoni V., et al. (2006) Neurosci. Lett. 397(1-2): 83-7.

Product Images

Chemical structure of 24(S)-Hydroxycholesterol (SIH-384), a LXR ligand. CAS #: 474-73-7. Molecular Formula: C₂₇H₄₆O₂. Molecular Weight: 402.7 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.