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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Celastrol

Proteasome inhibitor
Catalog No. SIH-333



Discovery through partnership | Excellence through quality

Overview

Product Name

Celastrol

Description

Proteasome inhibitor

Purity

>98%

CAS No.

34157-83-0

Molecular Formula

C₁₇H₁₆O₄

Molecular Weight

450.6

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in 45 mg/ml DMSO, 30 mg/ml Ethanol

Source

Synthetic

Appearance

Red Powder

SMILES

CC1=C(C(=O)C=C2C1=CC=C3[C@]2(CC[C@@]4([C@@]3(CC[C@@]5([C@H]4C[C@](CC5)(C)C(=O)O)C)C)C)O

InChI

InChI=1S/C29H38O4/c1-17-18-7-8-21-27(4,19(18))15-20(30)23(17)31)12-14-29(6)22-16-26(3,24(32)33)10-9-25(22,2)11-13-28(21,29)5/h7-8,

15,22,31H,9-14,16H2,1-6H3,(H,32,33)/t22-,25-,26-,27+,28-,29+/m1/s1

InChIKey

KQJSQWZMSAGSHN-JJWQIEB TSA-N

Safety Phrases

Classification: Toxic- Toxic Material Causing Immediate and Serious Toxic Effects

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

Hazard Statements:

H301 Toxic if swallowed

Precautionary Statements:

P301 + P31 If Swallowed, immediately call a POISON CENTER or doctor.

Cite This Product

Celastrol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-333)

Biological Description

Alternative Names

3- β -hydroxy- β -13 β -dimethyl- β -2-oxo- β -24,25,26-trinoroleana- β -1(10),23,25,27-tetraen-29-oic acid, 10-Hydroxy-2,4a,6a,9,12b,14a-hexamethyl-11-oxo-1,2,3,4,4a,5,6,6a,11,12b,13,14,14a,14b-tetradecahydro-picene-2-carboxylic acid, Tripterin

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Proteasome Inhibitors

PubChem ID

122724

Scientific Background

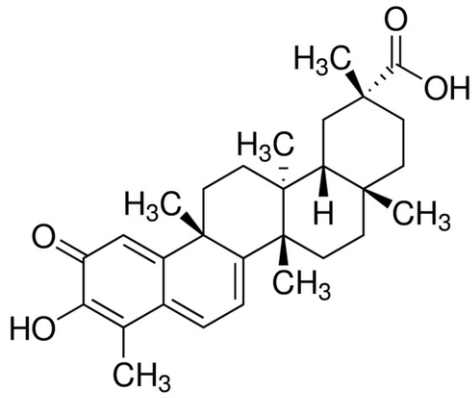
Displays potent antioxidant and anti-inflammatory activity. Inhibits NF β B (IC₅₀=270 nM). It induces heat shock response and cytoprotection in various cells. It inhibits 20S proteasome chymotrypsin activity (IC₅₀=2.5 μ M). Cell permeable.

References

1. Sethi G., et al. (2007) Blood 109: 2727.
 2. Westerheide S.D., et al. (2004) J. Biol. Chem. 279: 56053.
 3. Yang H., et al. (2006) Cancer Res. 66: 4758.
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Product Images

Chemical structure of Celastrol (SIH-333), a Proteasome inhibitor. CAS #: 34157-83-0.
Molecular Formula: C₂₉H₃₈O₄. Molecular Weight: 450.6 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.