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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Apigenin

Protein kinase inhibitor
Catalog No. SIH-249



Discovery through partnership | Excellence through quality

Overview

Product Name

Apigenin

Description

Protein kinase inhibitor

Purity

>98%

CAS No.

520-36-5

Molecular Formula

C₁₅H₁₀O₄

Molecular Weight

270.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 50 mM in DMSO

Source

Synthetic

Appearance

White Solid

SMILES

C1=CC(=CC=C1C2=CC(=O)C3=C(C=C(C=C3O2)O)O)O

InChI

InChI=1S/C15H10O5/c16-9-3-1-8(2-4-9)13-7-12(19)15-11(18)5-10(17)6-14(15)20-13/h1-7,16-18H

InChIKey

KZNIHFHPLKGYRTM-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:

R68 - Possible risk of irreversible effects

Cite This Product

Apigenin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-249)

Biological Description

Alternative Names

5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-chromen-4-one

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Tyrosine Kinase Inhibitors

PubChem ID

5280443

Scientific Background

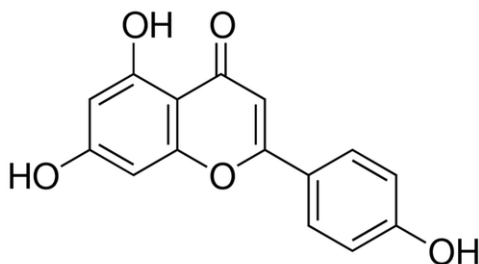
Apigenin induces a process called autophagia (1). It is a potent inhibitor of CYP2C9, an enzyme responsible for the metabolism of many pharmaceutical drugs in the body (2). Apigenin has also been shown to reverse the adverse effects of cyclosporine (3).

References

1. Ruela-de-Sousa R.R., et al. (2010) Cell Death and Disease. 1(e19): 1-11.
 2. Dayong S.I., et al. (2009) Drug Metabolism and Disposition. 37(3): 629-634.
 3. Chakravarthi S., Wen C.F., Nagaraja H.S. (2009) J Anal Bio Sci. 32(4): 320-327.
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Product Images

Chemical structure of Apigenin (SIH-249), a Protein kinase inhibitor. CAS #: 520-36-5.
Molecular Formula: C₁₅H₁₀O₅. Molecular Weight: 270.2 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.