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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Piperlongumine

Apoptosis Inducer
Catalog No. SIH-156



Discovery through partnership | Excellence through quality

Overview

Product Name

Piperlongumine

Description

Apoptosis Inducer

Purity

>98%

CAS No.

20069-09-4

Molecular Formula

C11H11NO1

Molecular Weight

317.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble in 25 mg/ml DMSO

Source

Synthetic

Appearance

Cream Solid

SMILES

COC1=CC(=CC(=C1OC)OC)/C=C/C(=O)N2CCC=CC2=O

InChI

InChI=1S/C17H19NO5/c1-21-13-10-12(11-14(22-2)17(13)23-3)7-8-16(20)18-9-5-4-6-15(18)19/h4,6-8,10-11H,5,9H2,1-3H3

InChIKey

VABYUUZNAVQNPG-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

Hazard Phrases:

H302

Cite This Product

Piperlongumine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-156)

Biological Description

Alternative Names

1-[(2E)-3-(3,4,5-Trimethoxyphenyl)-2-propenoyl]-5,6-dihydro-2(1H)-pyridinone

Research Areas

Cancer, Oxidative Stress

PubChem ID

637858

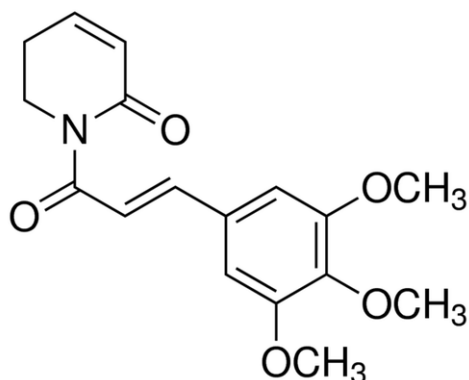
Scientific Background

Piperlongumine is a novel compound that exhibits a potential inhibitory effect on washed rabbit platelet aggregation induced by collagen, arachidonic acid and platelet activating factor, without any inhibiting effect on that induced by thrombin (1). It has recently been found to kill cancer cells by blocking the response that dissipates high oxidative stress and the resulting reactive oxygen species (ROS) generated, meanwhile sparing normal cells (2).

References

1. Park B.S., et al. (2008) *Phytother Res.* 22(9): 1195-1199.
 2. Raj L., et al. (2011) *Nature.* 475(7355): 231.
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Product Images



Chemical structure of Piperlongumine (SIH-156), a Apoptosis inducer in oxidative stressed cells. CAS #: 20069-09-4. Molecular Formula: C₁₇H₁₉NO₅. Molecular Weight: 317.3 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.