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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Andrographolide

Apoptosis Inducer
Catalog No. SIH-220



Discovery through partnership | Excellence through quality

Overview

Product Name

Andrographolide

Description

Apoptosis Inducer

Purity

>98%

CAS No.

5508-58-7

Molecular Formula

C₁₅H₁₄O₄

Molecular Weight

350.45

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

DMSO

Source

Synthetic

Appearance

Off-white Solid

SMILES

OC3COC(=O)C3=CC[C@@H]1C(=C)CC[C@@H]2C(C)(CO)[C@H](O)CC[C@@]12C

InChI

InChI=1S/C20H30O5/c1-12-4-7-16-19(2,9-8-17(23)20(16,3)11-21)14(12)6-5-13-15(22)10-25-18(13)24/h5,14-17,21-23H,1,4,6

InChIKey

BOJKULTULYSRAS-OTESTREVSAN

Safety Phrases

Classification: Caution: Substance not yet fully tested.

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

Cite This Product

Andrographolide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-220)

Biological Description

Alternative Names

(3E)-4-Hydroxy-3-{2-[(1R,4aS,6R,8aS)-6-hydroxy-5-(hydroxymethyl)-5,8a-dimethyl-2-methylenedecahydro-1-naphthalenyl]ethylidene}dihydro-2(3H)-furanone

Research Areas

Cancer, Apoptosis

PubChem ID

5318517

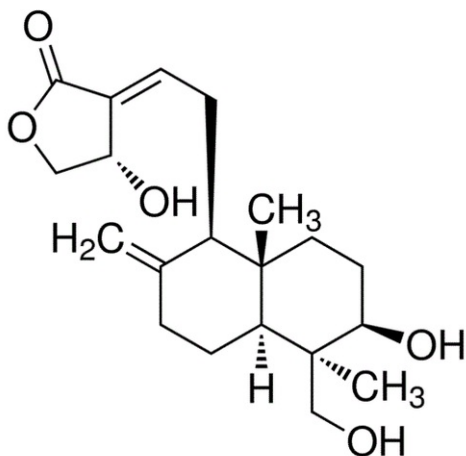
Scientific Background

Andrographolide is a labdane diterpenoid that is the main bioactive component of the medicinal plant *Andrographis paniculata*. It has been shown to be effective against certain cancers, and is an effective purgative (1). It blocks T-cell proliferation to allogenic stimuli and the chemotactic migration of macrophages induced by complement (2, 3).

References

1. Chakravarti R.N., Chakravarti D. (1951) *Ind. Med Gaz.* 86(3): 96-7.
2. Tsai H.R., et al. (2004) *Eur J Pharmacol.* 498: 45-52.
3. Rajagopal S., et al. (2003) *J Exp. Ther. Oncol.* 3: 147-158.

Product Images



Chemical structure of Andrographolide (SIH-220), a labdane diterpenoid. It induces mitochondrial-mediated apoptosis in lymphoma cells. CAS #: 5508-58-7. Molecular Formula: C₂₀H₃₀O₅. Molecular Weight: 350.45 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.