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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Taxol

Microtubule stabilizer
Catalog No. SIH-239



Discovery through partnership | Excellence through quality

Overview

Product Name

Taxol

Description

Microtubule stabilizer

Purity

>98% (TLC); NMR (Conforms)

CAS No.

33069-62-4

Molecular Formula

C₁₁H₁₈NO₂

Molecular Weight

853.9

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble in DMSO, ethanol or acetonitrile

Source

Synthetic

Appearance

White solid

SMILES

CC1=C2[C@@]([C@]([C@H]([C@@H]3[C@]4([C@H](OC4)C[C@@H]([C@]3(C(=O)[C@@H]2OC(=O)C)O)OC(=O)C)OC(=O)C5=CC=CC=C5)(C[C@@H]1OC(=O)[C@H](O)[C@@H](NC(=O)C6=CC=CC=C6)C7=CC=CC=C7)O)(C)C

InChI

InChI=1S/C47H51NO14/c1-25-31(60-43(56)36(52)35(28-16-10-7-11-17-28)48-41(54)29-18-12-8-13-19-29)23-47(57)40(61-42(55)30-20-

InChIKey

RCINICONZNXQF-MZXODVADSA-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:

R62- Possible risk of impaired fertility

R68- Possible risk of irreversible effects

Hazard Phrases:

H318-H361f-H341-H332-H312-H302-H335-H315-H334-H317

Precautionary Phrases:

P280-P305+P351+P338-P260-P261-P342+P311

Cite This Product

Taxol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-239)

Biological Description

Alternative Names

(2S,7S,10S,13S)-4,10-Diacetoxy-13-[[[(2R,3S)-3-(benzoylamino)-2-hydroxy-3-phenylpropanoyl]oxy]-1,7-dihydroxy-9-oxo-5,20-epoxytax-11-en-2-yl] benzoate, Paclitaxel

Research Areas

Cancer, Apoptosis

PubChem ID

36314

Scientific Background

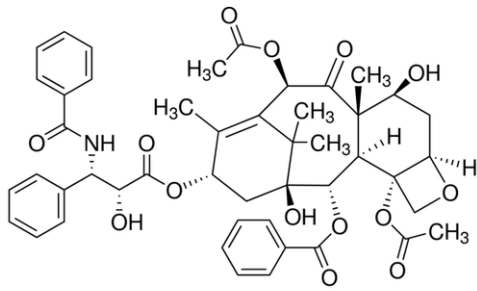
Paclitaxel is a mitotic inhibitor that promotes and stabilizes tubulin polymerization, causing cell cycle arrest (1). Induces autocatalytic activation of caspase-10 in CCRF-HSB-2 cells, triggering apoptosis (2).

References

1. Wani M., Taylor H., Wall M., Coggon P., and McPhail A. (1971) J Am Chem Soc. 93(9): 2325-2327.
2. Park S.J., et al. (2004) J Biol Chem. 279(49): 51057-51067.

Product Images

Chemical structure of Taxol (SIH-239), a Microtubule stabilizing agent. CAS #: 33069-62-6. Molecular Formula: C₄₇H₅₁NO₁₄. Molecular Weight: 853.9 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.