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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Nocodazole

Microtubule inhibitor
Catalog No. SIH-367



Discovery through partnership | Excellence through quality

Overview

Product Name

Nocodazole

Description

Microtubule inhibitor

Purity

>98% (HPLC); NMR (conforms)

CAS No.

31430-18-9

Molecular Formula

C₁₁H₁₁N₃O₃

Molecular Weight

301.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (10 mg/ml, warm)

Source

Synthetic

Appearance

White to off-white powder.

SMILES

COC(=O)NC1=NC2=C(N1)C=CC(=C2)C(=O)C3=CC=CS3

InChI

InChI=1S/C14H11N3O3S/c1-20-14(19)17-13-15-9-5-4-8(7-10(9)16-13)12(18)11-3-2-6-21-11/h2-7H,1H3,(H2,15,16,17,19)

InChIKey

KYRVNWMVYQXFEU-UHFFFAOYSA-N

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

Hazard Phrases:

H341- Suspected of causing genetic defects.

H361d Suspected of damaging the unborn child

Precautionary Phrases:

P281 Use personal protective equipment as required.

Cite This Product

Nocodazole (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-367)

Biological Description

Alternative Names

Methyl (5-[2-thienylcarbonyl]-1H-benzimidazol-2-yl)

Research Areas

Cancer, Apoptosis, Neuroscience

PubChem ID

4122

Scientific Background

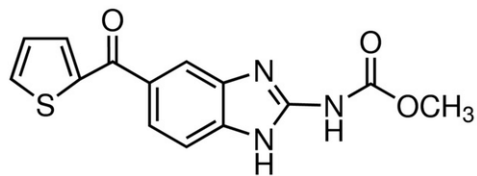
Nocodazole also known as Oncodazole. It is an antimitotic agent, associated with the activity of depolymerization of the microtubules (1). Nocadazole has high affinity with Tubulin but little is known on the mechanism of binding. Studies have shown that Nocadazole binds differently to the various β isotypes of Tubulin. By measuring the dissociation constants, with the given binding sites, a novel approach of therapeutic agents is under study (2).

References

1. Vasquez RJ., Howell B., Yvon AM., Wadsworth P., Cassimus L. (1997) Mol Biol Cell. 8(6): 973-985.
 2. Kelian Xu., Schwarz P., Luduena R., (2002) Drug Drug Dev.Re. 55: 91-96.
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Product Images

Chemical structure of Nocodazole (SIH-367), a Microtubule inhibitor. CAS #: 31430-18-9. Molecular Formula: C₁₄H₁₁N₃O₃S. Molecular Weight: 301.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.