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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anisomycin

p38 MAP kinase activator
Catalog No. SIH-266



Discovery through partnership | Excellence through quality

Overview

Product Name

Anisomycin

Description

p38 MAP kinase activator

Purity

>98%

CAS No.

22862-76-6

Molecular Formula

C₁₁H₁₁NO₁

Molecular Weight

265.31

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Activator

Solubility

Soluble to 100 mM in DMSO and to 100 mM in ethanol

Source

Synthetic

Appearance

White solid

SMILES

CC(=O)O[C@H]1[C@@H](CN[C@H]1CC2=CC=C(C=C2)OC)O

InChI

InChI=1S/C14H19NO4/c1-9(16)19-14-12(15-8-13(14)17)7-10-3-5-11(18-2)6-4-10/h3-6,12-15,17H,7-8H2,1-2H3/t12-,13+,14+/m0/s1

InChIKey

YKJYKKNCCRKFSL-BFHXYJOU5A-N

Safety Phrases

Classification: Toxic. May be harmful or fatal 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

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Risk Phrases:

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed

Hazard Phrases:

H301

Precautionary Phrases:

P301 + P310

Cite This Product

Anisomycin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-266)

Biological Description

Alternative Names

(2S,3R,4R)-4-Hydroxy-2-(4-methoxybenzyl)-3-pyrrolidinyl acetate

Research Areas

Cancer, Apoptosis

PubChem ID

253602

Scientific Background

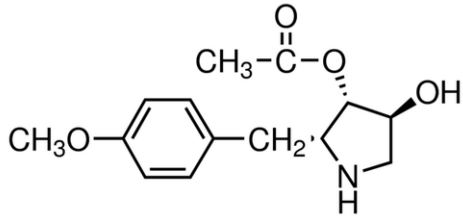
Anisomycin is an antibiotic which inhibits protein synthesis (1). It interferes with protein and DNA synthesis by inhibiting peptidyl transferase on the 80S ribosome system. It can activate stress-activated protein kinases, MAPkinase and other signal transduction pathways.

References

1. Grollman A.P. (1967) J Biol Chem. 242(13): 3226-3233.

Product Images

Chemical structure of Anisomycin (SIH-266), a Anois sensitizer. CAS #: 22862-76-6.
Molecular Formula: C₁₄H₁₉NO₄ . Molecular Weight: 265.31 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.