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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Herbimycin A

Hsp90 inhibitor
Catalog No. SIH-116



Discovery through partnership | Excellence through quality

Overview

Product Name

Herbimycin A

Description

Hsp90 inhibitor

Purity

>98%

CAS No.

70563-58-5

Molecular Formula

C₁₇H₁₉N₃O₅, C₁₇H₁₉N₃O₄

Molecular Weight

574.3, 575.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (>25 mg/ml) and ethanol (10 mg/ml)

Source

Synthetic

Appearance

Yellow Solid

SMILES

```
C[C@H]1C[C@@H]([C@@H]([C@H]/C=C/[C@@H]([C@H]  
(/C=CC=C(C(=O)NC2=CC(=O)C=C([C@@H]1OC)C2=O)/C)OC)OC(=O)N)C)OC)OC
```

InChI

InChI=1S/C30H42N2O9/c1-16-10-9-11-23(37-5)28(41-30(31)36)18(3)12-17(2)27(40-8)24(38-6)13-19(4)26(39-7)21-14-20(33)15-22(25(21)34)32-29(

InChIKey

MCAHMSDENAOJFZ-BVXDHVRPSA-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

Cite This Product

Herbimycin A (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-116)

Biological Description

Alternative Names

[(2R,3S,5S,6R,7S,8E,10S,11S,12E,14E)-2,5,6,11-tetramethoxy-3,7,9,15-tetramethyl-16,20,22-trioxo-17-azabicyclo[16.3.1]docosa-1(21),8,12,14,18-pentaen-10-yl] carbamate

Research Areas

Cancer, Heat Shock

PubChem ID

6436247

Scientific Background

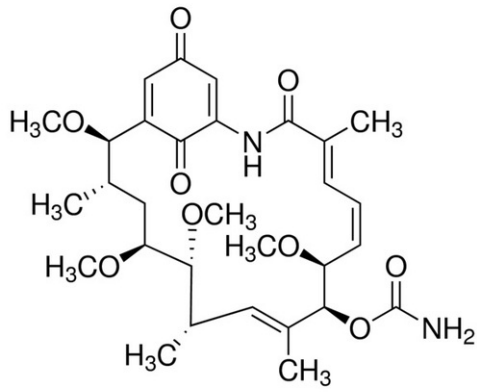
Herbimycin A, a benzoquinoid ansamycin antibiotic, irreversibly and selectively inhibits tyrosine kinases by reacting with thiol groups (1,2). It is effective on Src, Yes, Fps, Ros, Abl and ErbB oncogene products (1-3) and inhibits thrombin-induced tyrosine phosphorylation of phospholipase C (4). Looking for more information on HSP90? Visit our new HSP90 Scientific Resource Guide at <http://www.HSP90.ca>.

References

1. Uehara Y., and Fukazawa H. (1991) *Methods Enzymol.* 201: 370.
 2. Fukazawa H., et al. (1991) *Biochem. Pharmacol.* 42: 1661.
 3. Satoh T., et al. (1992) *J.Biol.Chem.* 267: 2537.
 4. Weiss R., and Nuccitelli R. (1992) *J.Biol.Chem.* 267:5608.
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Product Images

Chemical structure of Herbimycin A (SIH-116), a Hsp90 inhibitor. CAS #: 70563-58-5.
Molecular Formula: C₃₀H₄₂N₂O₉. Molecular Weight: 574.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.