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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lactacystin

Proteasome inhibitor
Catalog No. SIH-327



Discovery through partnership | Excellence through quality

Overview

Product Name

Lactacystin

Description

Proteasome inhibitor

Purity

>98%

CAS No.

133343-34-7

Molecular Formula

C₁₁H₁₁N₁O₅

Molecular Weight

376.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO, Water or Ethanol

Source

Synthetic

Appearance

White Solid

SMILES

C[C@@H]1[C@@H](C(NC1=O)([C@H](C(C)O)C(=O)SC[C@@H](C(=O)O)NC(=O)C)O

InChI

InChI=1S/C₁₅H₂₄N₂O₇S/c1-6(2)10(19)15(11(20)7(3)12(21)17-15)14(24)25-5-9(13(22)23)16-8(4)18/h6-7,9-11,19-20H,5H₂,1-4H₃,(H,16,18)(

H,17,21)(H,22,23)/t7-,9+,10+,11+,15-/m1/s1

InChIKey

DAQAKHDKYAWHCG-RWTHQLGUSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Cite This Product

Lactacystin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-327)

Biological Description

Alternative Names

(2R,3S,4R)-3-Hydroxy-2-[(1S)-1-hydroxy-2-methylpropyl]-4-methyl-5-oxo-2-pyrrolidinecarboxy-N-acetyl-L-cysteine thioester

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Proteasome Inhibitors

PubChem ID

6610292

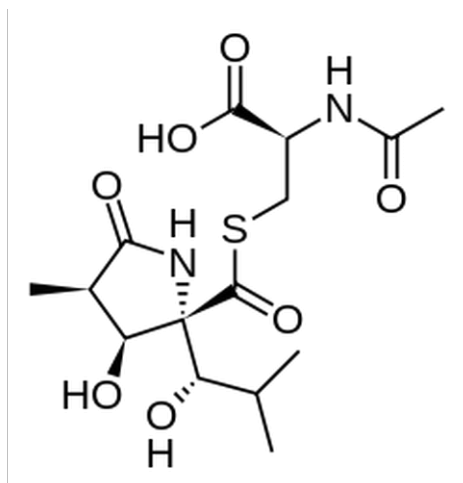
Scientific Background

Specific inhibitor of three proteolytic activities of the proteasome. Chymotrypsin-like activity is inhibited most potently followed by trypsin-like activity. Peptidyl-glutamyl peptide hydrolytic activity is relatively weak.

References

1. Omura S., et al. (1991) J. Antibiot. 44: 113.
2. Fenteany G., et al. (1995) Science 268: 726

Product Images



Chemical structure of Lactacystin (SIH-327), a Proteasome inhibitor. CAS #: 133343-34-7. Molecular Formula: C₁₅H₂₄N₂O₇S. Molecular Weight: 376.4 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.