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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Carfilzomib

20S Proteasome inhibitor
Catalog No. SIH-544



Discovery through partnership | Excellence through quality

Overview

Product Name

Carfilzomib

Description

20S Proteasome inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

868540-17-4

Molecular Formula

C₁₇H₁₅N₃O₂

Molecular Weight

317.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Product Type

Inhibitor

Solubility

Soluble in DMSO (80 mg/ml), or ethanol (25 mg/ml)

Source

Synthetic

Appearance

White powder

SMILES

O=C([C@]1(C)OC1)[C@H](CC(C)C)NC([C@@H])(NC([C@@H])(NC([C@H](CCC2=CC=CC=C2)NC(CN3CCOCC3)=O)=O)CC(C)C=O)CC4=CC=CC=C4)=O

InChI

1S/C40H57N5O7/c1-27(2)22-32(36(47)40(5)26-52-40)42-39(50)34(24-30-14-10-7-11-15-30)44-38(49)33(23-28(3)4)43-37(48)31(17-16-29-12-8-6-9-13-29)41-35(46)25-45-18-20-51-21-19-45/h6-15,27-28,31-34H,16-26H

InChIKey

BLMPQMFVWMYDKT-NZTKNHTHTSA-N

Safety Phrases

Classification:

Not WHMIS controlled.

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Cite This Product

Carfilzomib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-544)

Biological Description

Alternative Names

(?S)-?-[[2-(4-morpholinyl)acetyl]amino]benzenebutanoyl-L-leucyl-N-[(1S)-3-methyl-1-[[[(2R)-2-methyl-2-oxiranyl]carbonyl]butyl]-L-phenylalaninamide, PR-17, Carfilzomib, Kyprolis, Carfilzomib (PR-171), PR-171, UNII-72X6E3J5AR

Research Areas

Cancer, Cancer Growth Inhibitors, Proteasome Inhibitors

PubChem ID

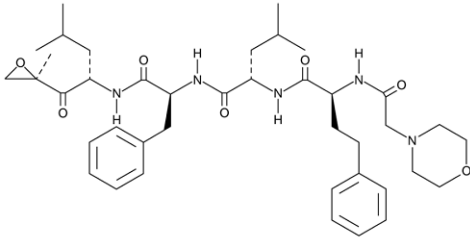
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Scientific Background

Carfilzomib / PR-17 is an irreversible proteasome inhibitor that targets the chymotrypsin-like beta5 subunit of 20S proteasome. It can arrest the cell cycle and trigger apoptosis in tumor cell lines.

Product Images

Chemical structure of Carfilzomib (SIH-544), a 20S Proteasome inhibitor. CAS #: 868540-17-4. Molecular Formula: C₄₀H₅₇N₅O₇. Molecular Weight: 719.9 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.