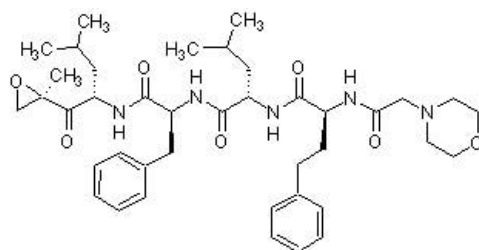


### Carfilzomib, proteasome inhibitor ab216469

[2 References](#)   [1 Image](#)

#### Overview

|                           |   |
|---------------------------|---|
| <b>Product name</b>       | Carfilzomib, proteasome inhibitor         |
| <b>Description</b>        | Potent, irreversible proteasome inhibitor |
| <b>Purity</b>             | > 98%                                     |
| <b>CAS Number</b>         | 868540-17-4                               |
| <b>Chemical structure</b> |   |



#### Properties

|                             |   |
|-----------------------------|---|
| <b>Chemical name</b>        | ( $\alpha$ S)- $\alpha$ -[[2-(4-Morpholinyl)acetyl]amino]benzenebutanoyl-L-leucyl-N-[(1S)-3-methyl-1-[[[(2R)-2-methyl-2-oxirany]carbonyl]butyl]- L-phenylalaninamide  |
| <b>Molecular weight</b>     | 719.93  |
| <b>Molecular formula</b>    | C <sub>40</sub> H <sub>57</sub> N <sub>5</sub> O <sub>7</sub>   |
| <b>PubChem identifier</b>   | 11556711  |
| <b>Storage instructions</b> | Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.  |
| <b>Solubility overview</b>  | Soluble in DMSO to 100 mM and in ethanol to 25 mM   |
| <b>Handling</b>             | <p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p> |

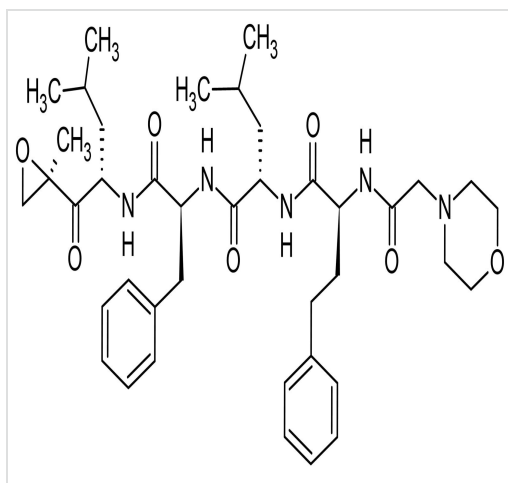
**SMILES**

CC(C)C[C@@H](C(=O)[C@]1(CO1)C)NC(=O)[C@H](CC2=CC=CC=C2)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CCC3=CC=CC=C3)NC(=O)CN4CCOCC4

Source

Synthetic

## Images



2D chemical structure image of ab216469, Carfilzomib, proteasome inhibitor

Chemical Structure - Carfilzomib, proteasome inhibitor (ab216469)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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