

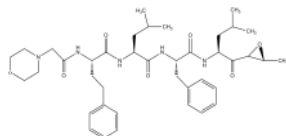
PRODUCT: Carfilzomib

ALTERNATE NAME: (S)-4-methyl-N-((S)-1-((S)-4-methyl-1-((R)-2-methyloxiran-2-yl)-1-oxopentan-2-ylamino)-1-oxo-3-phenylpropan-2-yl)-2-((S)-2-(2-morpholinoacetamido)-4-phenylbutanamido)pentanamide; PR-171

CATALOG #: 2385-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₄₀H₅₇N₅O₇

MOLECULAR WEIGHT: 719.91

CAS NUMBER: 868540-17-4

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: At -20°C. Protect from light and moisture

DESCRIPTION: Carfilzomib (PR-171) is a next generation, irreversible and selective inhibitor of the chymotrypsin-like activity of the proteasome. It displays potent antineoplastic activity.

REFERENCE: Kortuem, K.M., and Stewart, A.K. (2013). *Blood* **121**, 893-897.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aclacinomycin A (Cat. No. 2032-5, 25)

Calpain Inhibitor I, ALLN (Cat. No. 1834-5, 25)

Calpain Inhibitor II, ALLM (Cat. No. 1834-5, 25)

Clasto-Lactacystin β-Lactone (Cat. No. 1710-100)

E6AP Antibody (Cat. No. 3744-100)

(-)-Epigallocatechin gallate (Cat. No. 1841-50)

Fenbendazole (Cat. No. 2157-100, 500)

Isopeptidase T (short form), human recombinant (Cat. No. 4861-25)

Isopeptidase T (long form), human recombinant (Cat. No. 4862-25)

Lactacystin (Cat. No. 1709-200)

MG-115 (Cat. No. 1831-1, 5)

EZSolution™ MG-115 (Cat. No. 2144-1)

MG-132 (Cat. No. 1703-5, 25)

PS-341 (Cat. No. 1846-1,5)

EZSolution™ MG-132 (Cat. No. 1791-5)

Proteasome Activity Assay Kit (Cat. No. K245-100)

Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)

PYR-41 (Cat. No. 1925-5, 25)

PS-341 (Cat. No. 1846-1, 5)

EZSolution™ PS-341 (Cat. No. 2145-1)

Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**