

NC-002

Chemical Properties

CAS No. :	1356828-46-0
Formula:	C ₂₃ H ₄₂ N ₆ O ₅
Molecular Weight:	482.63
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	NC-002 is a cell-penetrating peptide and functions as an inhibitor of the trypsin-like proteasome (Trypsin-like proteasome), without affecting the activity of lysosomal cysteine proteases. It is an epoxyketone derivative of Leupeptin. NC-002 enhances the sensitivity of myeloma cells to Bortezomib and Carfilzomib and is utilized in cancer research.
Targets(IC50)	Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.072 mL	10.3599 mL	20.7198 mL
5 mM	0.4144 mL	2.072 mL	4.144 mL
10 mM	0.2072 mL	1.036 mL	2.072 mL
50 mM	0.0414 mL	0.2072 mL	0.4144 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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