

Anticancer agent 114

Chemical Properties

CAS No. :

Formula: C₂₈H₃₃BF₆N₂O₇

Molecular Weight: 634.37

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anticancer agent 114, a dipeptide boronic acid ester, functions as a potent proteasome inhibitor with an oral activity and demonstrates an IC ₅₀ of 2.2 nM. It exhibits antiproliferative properties specifically targeting RPMI-8226 cells, making it valuable for research into multiple myeloma [1].
Targets(IC ₅₀)	Others,Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5764 mL	7.8818 mL	15.7637 mL
5 mM	0.3153 mL	1.5764 mL	3.1527 mL
10 mM	0.1576 mL	0.7882 mL	1.5764 mL
50 mM	0.0315 mL	0.1576 mL	0.3153 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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