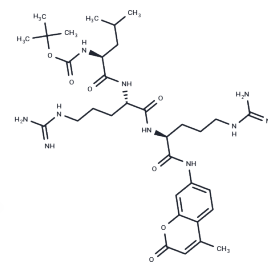


Boc-LRR-AMC

Chemical Properties

CAS No. :	109358-46-5
Formula:	C33H52N10O7
Molecular Weight:	700.83
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	Boc-LRR-AMC is a fluorogenic substrate for the trypsin-like activity of the 26S proteasome or 20S proteolytic core. Upon enzymatic cleavage by the 26S proteasome or 20S proteolytic core, amino-4-methylcoumarin (AMC) is released and its fluorescence can be used to quantify 26S proteasome or 20S proteolytic core trypsin-like activity. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 12 mg/mL (17.12 mM), Sonication is recommended. PBS (pH 7.2): 1 mg/mL (1.43 mM), Sonication is recommended. Ethanol: 10 mg/mL (14.27 mM), Sonication is recommended. DMF: 14 mg/mL (19.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4269 mL	7.1344 mL	14.2688 mL
5 mM	0.2854 mL	1.4269 mL	2.8538 mL
10 mM	0.1427 mL	0.7134 mL	1.4269 mL
50 mM	0.0285 mL	0.1427 mL	0.2854 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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