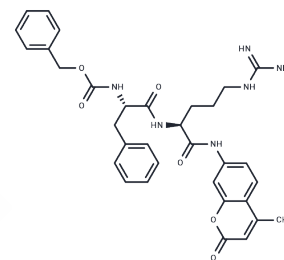


N-CBZ-Phe-Arg-AMC

Chemical Properties

CAS No. :	65147-22-0
Formula:	C33H36N6O6
Molecular Weight:	612.68
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	N-CBZ-Phe-Arg-AMC (Z-FR-AMC) is a substrate for serine proteases, including cathepsins, kallikrein, and plasmin. The substrate exhibits absorption/emission at 330/390 nm (weak fluorescence), while the end product (AMC) shows absorption/emission at 342/441 nm (strong fluorescence).
Targets(IC50)	Cysteine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6322 mL	8.1609 mL	16.3217 mL
5 mM	0.3264 mL	1.6322 mL	3.2643 mL
10 mM	0.1632 mL	0.8161 mL	1.6322 mL
50 mM	0.0326 mL	0.1632 mL	0.3264 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.

Reference

Xu P, et al. Ascorbic acid modulation of iron homeostasis and lysosomal function in trabecular meshwork cells. J Ocul Pharmacol Ther. 2014 Mar-Apr;30(2-3):246-53.

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