

Pro-Phe-Arg-AMC acetate

Chemical Properties

CAS No. : 2237216-30-5

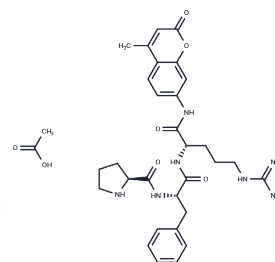
Formula: C₃₂H₄₁N₇O₇

Molecular Weight: 635.71

Keep away from moisture

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	Pro-Phe-Arg-AMC acetate is a high-affinity substrate for peptides and hK2 (Human glandular kallikrein 2), suitable for enzyme activity assays.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (125.84 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	1.573 mL	7.8652 mL	15.7304 mL
5 mM	0.3146 mL	1.573 mL	3.1461 mL
10 mM	0.1573 mL	0.7865 mL	1.573 mL
50 mM	0.0315 mL	0.1573 mL	0.3146 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

Lövgren J, et al. Enzymatic action of human glandular kallikrein 2 (hK2). Substrate specificity and regulation by Zn²⁺ and extracellular protease inhibitors. Eur J Biochem. 1999 Jun;262(3):781-9.

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