

Mca-RPPGFSAFK(Dnp)-OH TFA

Chemical Properties

CAS No. :

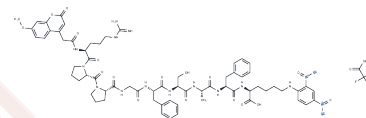
Formula: C66H81N15O19.XCF3COOH

Molecular Weight: 1388.44

Keep away from direct sunlight

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	Mca-RPPGFSAFK(Dnp)-OH, a fluorogenic substrate specifically designed for endothelin-converting enzyme-1 (ECE-1), enables the quantification of ECE-1 activity through its distinctive fluorescence signal. When ECE-1 cleaves this substrate, it releases 7-methoxycoumarin-4-acetyl (Mca), which exhibits excitation and emission maxima at 328 nm and 420 nm, respectively, allowing for the direct measurement of enzyme activity.
Targets(IC50)	Others

Solubility Information

Solubility	20% ACN/H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7202 mL	3.6012 mL	7.2023 mL
5 mM	0.144 mL	0.7202 mL	1.4405 mL
10 mM	0.072 mL	0.3601 mL	0.7202 mL
50 mM	0.0144 mL	0.072 mL	0.144 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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