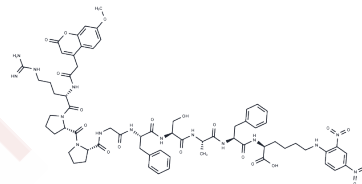


## Mca-(ala7,lys(dnp)9)-bradykinin

## Chemical Properties

CAS No. :	323577-36-2
Formula:	C66H81N15O19
Molecular Weight:	1388.44
Storage:	Keep away from direct sunlight 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	Mca-(Ala7,Lys(Dnp)9)-bradykinin is a fluorogenic substrate that demonstrates high sensitivity for ECE-1 (endothelin-converting enzyme-1). It features a (7-methoxycoumarin-4-yl)acetyl (Mca) group for fluorescence and a 2,4-dinitrophenyl (Dnp) group for quenching, yielding a significant increase in fluorescence when the substrate is cleaved [1].
Targets(IC50)	Others
In vitro	Mca-Ala7,Lys(Dnp)9-Bradykinin serves as a substrate for neprilysin; however, it is hydrolyzed by ECE-1 with tenfold greater efficiency, indicating a selectivity for ECE-1 [1].

## 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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