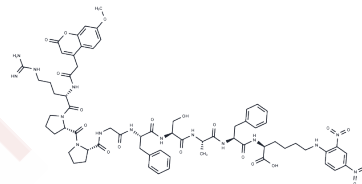


Mca-(ala7,lys(dnp)9)-bradykinin

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

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

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