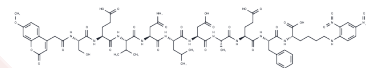


Mca-SEVNLDAEFK(Dnp)

Chemical Properties

CAS No. :	1802078-31-4
Formula:	C68H88N14O27
Molecular Weight:	1533.5
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-SEVNLDAEFK(Dnp) is a peptide FRET substrate for Beta-secretase 1 (BACE-1), featuring the 'Swedish' Lys-Met/Asn-Leu mutation at the β -secretase cleavage site of the amyloid precursor protein (APP). Cleavage at the -Leu-Asp- site of Mca-SEVNLDAEFK (Dnp) releases the highly fluorescent 7-methoxycoumarin (Mca) fragment, which is freed from the quenching effect of the 2,4-dinitrophenyl (Dnp) internal quencher, leading to a significantly increased fluorescence intensity that is easily detectable.
Targets(IC50)	Others,Beta-Secretase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6521 mL	3.2605 mL	6.521 mL
5 mM	0.1304 mL	0.6521 mL	1.3042 mL
10 mM	0.0652 mL	0.3261 mL	0.6521 mL
50 mM	0.013 mL	0.0652 mL	0.1304 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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