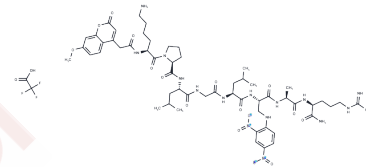


Mca-KPLGL-Dap(Dnp)-AR-NH2 TFA

Chemical Properties

CAS No. :	1392300-20-7
Formula:	C55H80N16O16.CF3COOH
Molecular Weight:	1335.40
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-KPLGL-Dap(Dnp)-AR-NH2 serves as a fluorogenic substrate specifically designed for matrix metalloproteinases (MMPs). This compound facilitates the quantification of MMP activity by releasing 7-methoxycoumarin-4-acetyl (Mca) upon enzymatic cleavage by MMPs, which exhibits fluorescence with excitation and emission maxima at 328 nm and 420 nm, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	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	0.7488 mL	3.7442 mL	7.4884 mL
5 mM	0.1498 mL	0.7488 mL	1.4977 mL
10 mM	0.0749 mL	0.3744 mL	0.7488 mL
50 mM	0.015 mL	0.0749 mL	0.1498 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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