

Renin FRET Substrate I

Chemical Properties

CAS No. : 142988-22-5

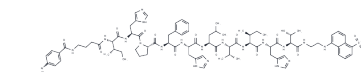
Formula: C90H120N22O16S

Molecular Weight: 1798.15

Keep away from moisture

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	Renin FRET Substrate I is a specific compound designed to function as a substrate for human renin, containing the exact cleavage site found in the N-terminal peptide of human angiotensinogen.
Targets(IC50)	RAAS
In vitro	The chemical compound specifically cleaves the Renin FRET Substrate I at the Leu-Val bond, mirroring the renin cleavage site on angiotensinogen[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5561 mL	2.7806 mL	5.5613 mL
5 mM	0.1112 mL	0.5561 mL	1.1123 mL
10 mM	0.0556 mL	0.2781 mL	0.5561 mL
50 mM	0.0111 mL	0.0556 mL	0.1112 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.

Reference

G T Wang, et al. A continuous fluorescence assay of renin activity. Anal Biochem. 1993 May 1;210(2):351-9.

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