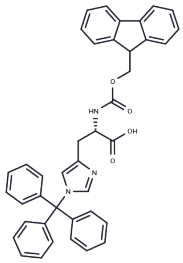
Data Sheet (Cat.No.T67561)

TargetMol

Fmoc-His(Trt)-OH

Chemical Properties



CAS No. : 109425-51-6

Formula: C40H33N3O4

Molecular Weight: 619.72

Storage: Keep away from moisture
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	Fmoc-His(Trt)-OH is a synthetically derived organic compound utilized in life science research. (S)-2-((((9H-Fluoren-9-yl)methoxy)carbonyl)amino)-3-(1-trityl-1H-imidazol-4-yl)propanoic acid provides a reactive platform for peptide synthesis, functionalization, and chemical biology studies.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 80 mg/mL (129.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6136 mL	8.0682 mL	16.1363 mL
5 mM	0.3227 mL	1.6136 mL	3.2273 mL
10 mM	0.1614 mL	0.8068 mL	1.6136 mL
50 mM	0.0323 mL	0.1614 mL	0.3227 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

Yi Y, et, al. Suppression of Simultaneous Fmoc-His(Trt)-OH Racemization and Nα-DIC-Endcapping in Solid-Phase Peptide Synthesis through Design of Experiments and Its Implication for an Amino Acid Activation Strategy in Peptide Synthesis. Org. Process Res. Dev. 2022 Jun 27.

Aggarwal S, et al. [DLys(6)]-luteinizing hormone releasing hormone-curcumin conjugate inhibits pancreatic cancer cell growth in vitro and in vivo. Int J Cancer. 2011 Oct 1;129(7):1611-23.

Kamysz E, et al. Characterization of the effects of opiorphin and sialorphin and their analogs substituted in position 1 with pyroglutamic acid on motility in the mouse ileum. J Pept Sci. 2013 Mar;19(3):166-72.

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