

## Fmoc-HIS-OH

## Chemical Properties

CAS No. : 116611-64-4

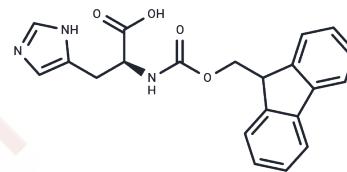
Formula: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 377.39

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	Fmoc-HIS-OH is a histidine derivative.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Commercially used as ergogenic supplements, amino acids and amino acid derivatives influence the secretion of anabolic hormones, supply fuel during exercise, enhance mental performance during stress-related tasks, and prevent exercise-induced muscle damage. These substances are recognized to be beneficial as ergogenic dietary supplements[1].

## Solubility Information

Solubility	DMSO: 35.7 mg/mL (94.6 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6498 mL	13.2489 mL	26.4978 mL
5 mM	0.530 mL	2.6498 mL	5.2996 mL
10 mM	0.265 mL	1.3249 mL	2.6498 mL
50 mM	0.053 mL	0.265 mL	0.530 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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