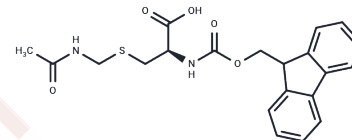


Fmoc-Cys(Acm)-OH

Chemical Properties

CAS No. :	86060-81-3
Formula:	C ₂₁ H ₂₂ N ₂ O ₅ S
Molecular Weight:	414.47
Storage:	Keep away from moisture 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	Fmoc-Cys(Acm)-OH (Fmoc-S-acetamidomethyl-L-cysteine) is a cysteine derivative.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Amino acids and their derivatives are commercially used as ergogenic supplements, affecting anabolic hormone secretion, fuel supply during exercise, mental performance under stress, and prevention of exercise-induced muscle damage. They are recognized as beneficial ergogenic dietary substances [1].

Solubility Information

Solubility	DMSO: 50 mg/mL (120.64 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4127 mL	12.0636 mL	24.1272 mL
5 mM	0.4825 mL	2.4127 mL	4.8254 mL
10 mM	0.2413 mL	1.2064 mL	2.4127 mL
50 mM	0.0483 mL	0.2413 mL	0.4825 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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