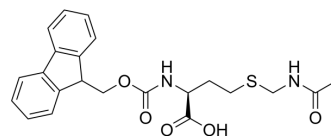


## Fmoc-HoCys(ACM)-OH

Cat. No.:	HY-134517
CAS No.:	150281-21-3
Molecular Formula:	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	428.5
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (233.37 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3337 mL	11.6686 mL	23.3372 mL
				5 mM	0.4667 mL	2.3337 mL	4.6674 mL
				10 mM	0.2334 mL	1.1669 mL	2.3337 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.83 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.83 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.83 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Fmoc-HoCys(ACM)-OH, a homolog of cysteine, is synthesized from L-methionine. Fmoc-HoCys(ACM)-OH also can be used for the synthesis of solid phase peptide <sup>[1]</sup> .
In Vitro	Fmoc-HoCys(ACM)-OH (compound 1) can be used in solid phase peptide synthesis using an Fmoc-based strategy <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA