Fmoc-D-Cys(Trt)-OH

Cat. No.: HY-W010724 CAS No.: 167015-11-4 Molecular Formula: $C_{37}H_{31}NO_{4}S$ Molecular Weight: 585.71

Target: Amino Acid Derivatives

Pathway: Others

Storage: Powder -20°C 3 years

2 years

In solvent -80°C 6 months

> -20°C 1 month

Product Data Sheet

SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (170.73 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg	
	1 mM	1.7073 mL	8.5366 mL	17.0733 mL	
	5 mM	0.3415 mL	1.7073 mL	3.4147 mL	
	10 mM	0.1707 mL	0.8537 mL	1.7073 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 (4.27 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description Fmoc-D-Cys(Trt)-OH is a cysteine derivative [1]. In Vitro Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

1]. Luckose F, et al. Effects of a	mino acid derivatives on physi	cal, mental, and physiological a	activities. Crit Rev Food Sci Nutr. 20.	15;55(13):1793-807.	
	Caution: Product has not	boon fully validated for mo	dical applications. For research	a uso only	
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