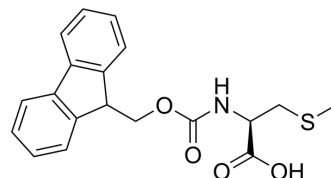


N-(((9H-Fluoren-9-yl)methoxy)carbonyl)-S-methyl-L-cysteine

Cat. No.:	HY-W048708
CAS No.:	138021-87-1
Molecular Formula:	C ₁₉ H ₁₉ NO ₄ S
Molecular Weight:	357.42
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 (279.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.7978 mL	13.9891 mL	27.9783 mL
		5 mM	0.5596 mL	2.7978 mL	5.5957 mL
	10 mM	0.2798 mL	1.3989 mL	2.7978 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 (6.99 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.99 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.99 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	N-(((9H-Fluoren-9-yl)methoxy)carbonyl)-S-methyl-L-cysteine 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

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

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