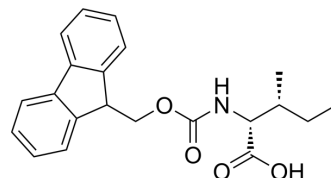


Fmoc-D-Isoleucine

Cat. No.:	HY-W011135		
CAS No.:	143688-83-9		
Molecular Formula:	C ₂₁ H ₂₃ NO ₄		
Molecular Weight:	353.41		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (282.96 mM; Need ultrasonic)				
		Solvent	Mass		
		Concentration	1 mg	5 mg	
	Preparing Stock Solutions		10 mg		
		1 mM	2.8296 mL	14.1479 mL	28.2957 mL
		5 mM	0.5659 mL	2.8296 mL	5.6591 mL
		10 mM	0.2830 mL	1.4148 mL	2.8296 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 (7.07 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.07 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fmoc-D-Isoleucine is an isoleucine 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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