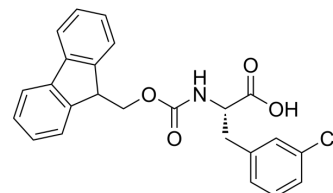


Fmoc-3-Chloro-L-phenylalanine

Cat. No.:	HY-W022223
CAS No.:	198560-44-0
Molecular Formula:	C ₂₄ H ₂₀ ClNO ₄
Molecular Weight:	421.87
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (237.04 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	2.3704 mL	11.8520 mL	23.7040 mL
		5 mM	0.4741 mL	2.3704 mL	4.7408 mL
		10 mM	0.2370 mL	1.1852 mL	2.3704 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 (5.93 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fmoc-3-Chloro-L-phenylalanine is a phenylalanine 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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