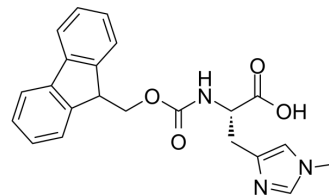


Fmoc-1-methyl-L-histidine

Cat. No.:	HY-W048682		
CAS No.:	202920-22-7		
Molecular Formula:	C ₂₂ H ₂₁ N ₃ O ₄		
Molecular Weight:	391.42		
Target:	Others		
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 : 125 mg/mL (319.35 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.5548 mL	12.7740 mL	25.5480 mL
	5 mM		0.5110 mL	2.5548 mL	5.1096 mL
	10 mM		0.2555 mL	1.2774 mL	2.5548 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fmoc-1-methyl-L-histidine is a Fmoc protected amino acid and can be used as an intermediate for peptide synthesis^[1].

REFERENCES

[1]. Methylated Histidines Alter Tautomeric Preferences that Influence the Rates of Cu Nitrite Reductase Catalysis in Designed Peptides

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

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