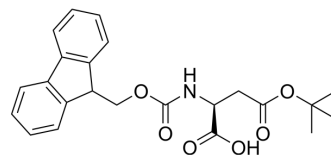


Fmoc-Asp(OtBu)-OH

Cat. No.:	HY-Y1169		
CAS No.:	71989-14-5		
Molecular Formula:	C ₂₃ H ₂₅ NO ₆		
Molecular Weight:	411.45		
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 : 50 mg/mL (121.52 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4304 mL	12.1521 mL	24.3043 mL
	5 mM	0.4861 mL	2.4304 mL	4.8609 mL
	10 mM	0.2430 mL	1.2152 mL	2.4304 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 (5.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.06 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fmoc-Asp(OtBu)-OH (4-tert-Butyl N-(fluoren-9-ylmethoxycarbonyl)-L-aspartate) is a aspartate derivative containing amine protecting group Fmoc. Fmoc-Asp(OtBu)-OH can be used for peptide synthesis^[1].

REFERENCES

- [1]. Esquivel J B, et al. Chiral HPLC separation of protected amino acids. Journal of liquid chromatography & related technologies, 1998, 21(6): 777-791.

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

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