Fmoc-Asp(OtBu)-OH

Cat. No.: HY-Y1169

CAS No.: 71989-14-5

Molecular Formula: $C_{23}H_{25}NO_6$

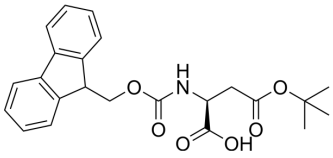
Molecular Weight: 411

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 (121.65 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.4331 mL	12.1655 mL	24.3309 mL
5 mM	0.4866 mL	2.4331 mL	4.8662 mL
10 mM	0.2433 mL	1.2165 mL	2.4331 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: ≥ 2.08 mg/mL (5.06 mM); Clear solution
2. 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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