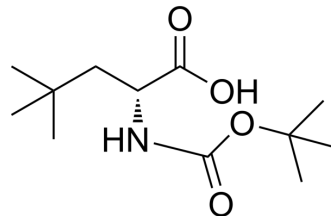


Boc-beta-t-butyl-d-alanine

Cat. No.:	HY-79404A		
CAS No.:	112695-98-4		
Molecular Formula:	C ₁₂ H ₂₃ NO ₄		
Molecular Weight:	245.32		
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 (407.63 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.0763 mL	20.3815 mL	40.7631 mL
	5 mM	0.8153 mL	4.0763 mL	8.1526 mL
	10 mM	0.4076 mL	2.0382 mL	4.0763 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: 2.5 mg/mL (10.19 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (10.19 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (10.19 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Boc-beta-t-butyl-d-alanine is an intermediate, can be used in the synthesis of peptides and other amino acids^[1].

REFERENCES

[1]. Nicole Harriott. Vmat2 inhibitor compounds and compositions thereof. WO2018195121A1.

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

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