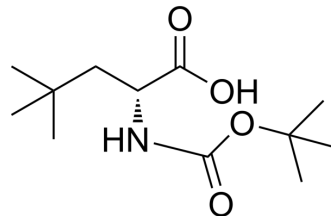


## Boc-beta-t-butyl-d-alanine

<b>Cat. No.:</b>	HY-79404A		
<b>CAS No.:</b>	112695-98-4		
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>23</sub> NO <sub>4</sub>		
<b>Molecular Weight:</b>	245.32		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	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<sup>[1]</sup>.

### REFERENCES

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

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

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