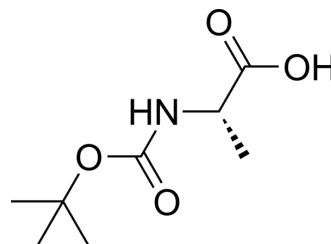


## Boc-L-Ala-OH

<b>Cat. No.:</b>	HY-41121		
<b>CAS No.:</b>	15761-38-3		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>15</sub> NO <sub>4</sub>		
<b>Molecular Weight:</b>	189.21		
<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 (528.51 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.2851 mL	26.4257 mL	52.8513 mL
	5 mM	1.0570 mL	5.2851 mL	10.5703 mL
	10 mM	0.5285 mL	2.6426 mL	5.2851 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Boc-L-Ala-OH (Boc-Ala-OH) shows excellent affinity with ATP. Boc-L-Ala-OH contains an amino acid moiety, and an acylamide bond like that of the peptide and protein<sup>[1]</sup>.

### REFERENCES

[1]. Ji-hong Liu, et al. The Investigation of Interaction Competition Between ATP and DIPP-Ala, Boc-Ala, or Ala by ESI-MS/MS and Theoretical Calculation. Phosphorus, Sulfur, and Silicon and the Related Elements, 185:8, 1587-1593.

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

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