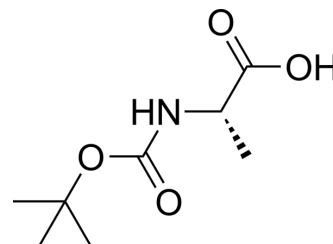


## Boc-L-Ala-OH

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-41121   |
| CAS No.:           | 15761-38-3   |
| Molecular Formula: | C <sub>8</sub> H <sub>15</sub> NO <sub>4</sub>   |
| Molecular Weight:  | 189.21   |
| Target:            | Amino Acid Derivatives   |
| Pathway:           | Others   |
| Storage:           | <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (528.51 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>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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