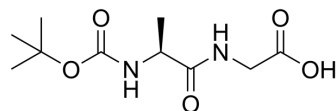


(S)-2-(2-((tert-Butoxycarbonyl)amino)propanamido)acetic acid

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W019684 | | |
| CAS No.: | 28782-78-7 | | |
| Molecular Formula: | C ₁₀ H ₁₈ N ₂ O ₅ | | |
| Molecular Weight: | 246.26 | | |
| 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 (406.07 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 4.0607 mL | 20.3037 mL | 40.6075 mL |
| 5 mM | 0.8121 mL | 4.0607 mL | 8.1215 mL |
| 10 mM | 0.4061 mL | 2.0304 mL | 4.0607 mL |

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

BIOLOGICAL ACTIVITY

Description

(S)-2-(2-((tert-Butoxycarbonyl)amino)propanamido)acetic acid is a [Glycine](#) (HY-Y0966) derivative^[1].

In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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