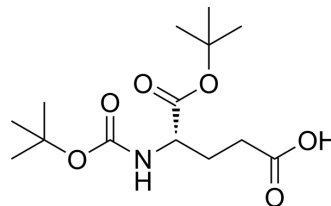


Boc-Glu-OtBu

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W007354 | | |
| CAS No.: | 24277-39-2 | | |
| Molecular Formula: | C ₁₄ H ₂₅ NO ₆ | | |
| Molecular Weight: | 303.35 | | |
| 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 (329.65 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 3.2965 mL | 16.4826 mL | 32.9652 mL |
| | 5 mM | 0.6593 mL | 3.2965 mL | 6.5930 mL |
| | 10 mM | 0.3297 mL | 1.6483 mL | 3.2965 mL |

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

BIOLOGICAL ACTIVITY

Description

Boc-Glu-OtBu is a glutamic acid 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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