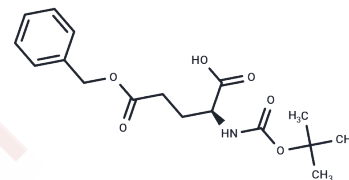


Boc-Glu(OBzl)-OH

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 13574-13-5 |
| Formula: | C ₁₇ H ₂₃ N ₁ O ₆ |
| Molecular Weight: | 337.37 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|--|
| Description | Boc-Glu(OBzl)-OH (Boc-Glu(OBzl)-OH) is a glutamic acid derivative. |
| Targets(IC50) | Amino Acids and Derivatives |
| 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]. |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (148.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 2.9641 mL | 14.8205 mL | 29.641 mL |
| 5 mM | 0.5928 mL | 2.9641 mL | 5.9282 mL |
| 10 mM | 0.2964 mL | 1.4821 mL | 2.9641 mL |
| 50 mM | 0.0593 mL | 0.2964 mL | 0.5928 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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