



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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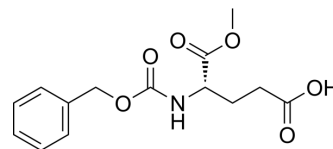
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## N-Benzyloxycarbonyl-L-glutamic acid 1-methyl ester

|                    |                                                 |       |          |
|--------------------|-------------------------------------------------|-------|----------|
| Cat. No.:          | HY-W009262                                      |       |          |
| CAS No.:           | 5672-83-3                                       |       |          |
| Molecular Formula: | C <sub>14</sub> H <sub>17</sub> NO <sub>6</sub> |       |          |
| Molecular Weight:  | 295.29                                          |       |          |
| 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 (338.65 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 3.3865 mL | 16.9325 mL | 33.8650 mL |
|                           | 5 mM    | 0.6773 mL | 3.3865 mL  | 6.7730 mL  |
|                           | 10 mM   | 0.3387 mL | 1.6933 mL  | 3.3865 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

N-Benzyloxycarbonyl-L-glutamic acid 1-methyl ester is a glutamic acid derivative<sup>[1]</sup>.

#### 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<sup>[1]</sup>. 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.

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

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