



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

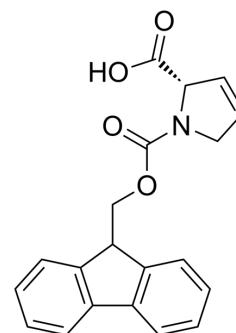
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## (S)-1-(((9H-Fluoren-9-yl)methoxy)carbonyl)-2,5-dihydro-1H-pyrrole-2-carboxylic acid

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-W053705                                      |       |          |
| <b>CAS No.:</b>           | 135837-63-7                                     |       |          |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>17</sub> NO <sub>4</sub> |       |          |
| <b>Molecular Weight:</b>  | 335.35  |       |          |
| <b>Target:</b>            | Amino Acid Derivatives                          |       |          |
| <b>Pathway:</b>           | Others  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent                                      | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

|   |  |                          |           |           |            |            |
|---|--|--------------------------|-----------|-----------|------------|------------|
| <b>In Vitro</b>   | DMSO : 100 mg/mL (298.20 mM; Need ultrasonic)  |                          |           |           |            |            |
|   |  | Solvent<br>Concentration | Mass      | 1 mg      | 5 mg       | 10 mg      |
|   | <b>Preparing Stock Solutions</b>   | 1 mM                     |           | 2.9820 mL | 14.9098 mL | 29.8196 mL |
|   |  | 5 mM                     |           | 0.5964 mL | 2.9820 mL  | 5.9639 mL  |
| 10 mM   |  |                          | 0.2982 mL | 1.4910 mL | 2.9820 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |           |           |            |            |
| <b>In Vivo</b>  | <ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: ≥ 2.5 mg/mL (7.45 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: ≥ 2.5 mg/mL (7.45 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: ≥ 2.5 mg/mL (7.45 mM); Clear solution</li> </ol> |                          |           |           |            |            |

### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | (S)-1-(((9H-Fluoren-9-yl)methoxy)carbonyl)-2,5-dihydro-1H-pyrrole-2-carboxylic acid is a proline derivative <sup>[1]</sup> .   |
| <b>In Vitro</b>    | <p>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>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |

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## REFERENCES

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[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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA