



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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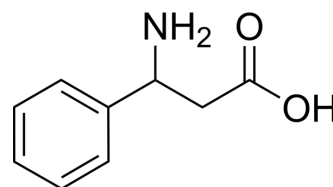
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## 3-Amino-3-phenylpropionic acid

|                    |                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-W002039                                                                                                                                                                       |
| CAS No.:           | 614-19-7                                                                                                                                                                         |
| Molecular Formula: | C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>                                                                                                                                   |
| Molecular Weight:  | 165.19                                                                                                                                                                           |
| Target:            | Biochemical Assay Reagents                                                                                                                                                       |
| Pathway:           | Others                                                                                                                                                                           |
| Storage:           | <div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    6 months</div> <div>-20°C    1 month</div> </div> |



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 5 mg/mL (30.27 mM; Need ultrasonic)  
DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 6.0536 mL | 30.2678 mL | 60.5356 mL |
|                              | 5 mM                     |      | 1.2107 mL | 6.0536 mL  | 12.1071 mL |
|                              | 10 mM                    |      | 0.6054 mL | 3.0268 mL  | 6.0536 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

3-Amino-3-phenylpropionic acid (DL-β-Phenylalanine) is a structural GABA analogue. 3-Amino-3-phenylpropionic acid inhibits baclofen (HY-B0007) induced gastric acid secretion<sup>[1]</sup>.

#### In Vivo

3-Amino-3-phenylpropionic acid (10, 30 mg/kg; i.v.) inhibits the gastric acid secretion induced by baclofen (2 mg/kg s.c.)<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

|                 |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Animal Model:   | 240-280 g Male Sprague-Dawley rats <sup>[1]</sup>                                          |
| Dosage:         | 10, 30 mg/kg                                                                               |
| Administration: | I.v.                                                                                       |
| Result:         | Dose dependently suppressed the gastric acid secretion induced by baclofen (2 mg/kg s.c.). |

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## REFERENCES

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[1]. Hara N, et al. Gastric acid inhibitory action of a GABA-related compound, 3-amino-3-phenylpropionic acid, in the rat. Eur J Pharmacol. 1990 Apr 10;179(1-2):17-23.

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

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