



# 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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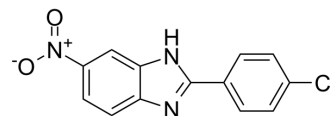
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## GABAA receptor agent 1

|                    |                                                                |       |          |
|--------------------|----------------------------------------------------------------|-------|----------|
| Cat. No.:          | HY-133486                                                      |       |          |
| CAS No.:           | 1571-87-5                                                      |       |          |
| Molecular Formula: | C <sub>13</sub> H <sub>8</sub> ClN <sub>3</sub> O <sub>2</sub> |       |          |
| Molecular Weight:  | 273.67                                                         |       |          |
| Target:            | GABA Receptor                                                  |       |          |
| Pathway:           | Membrane Transporter/Ion Channel; Neuronal Signaling           |       |          |
| 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 : 83.33 mg/mL (304.49 mM; Need ultrasonic)

|                           | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|---------------------------|--------------------------|------|-----------|------------|------------|
|                           |                          |      |           |            |            |
| Preparing Stock Solutions | 1 mM                     |      | 3.6540 mL | 18.2702 mL | 36.5404 mL |
|                           | 5 mM                     |      | 0.7308 mL | 3.6540 mL  | 7.3081 mL  |
|                           | 10 mM                    |      | 0.3654 mL | 1.8270 mL  | 3.6540 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

GABAA receptor agent 1 is a high affinity ligand for GABAA receptor, with potent anticonvulsant activity<sup>[1]</sup>.

#### In Vivo

GABAA receptor agent 1 (30 mg/kg; intraperitoneal) inhibits the maximum electroshock (MES) and pentylenetetrazole (PTZ)-induced convulsions in swiss albino rats<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jain P, et al. Design, synthesis and biological evaluation of some novel benzimidazole derivatives for their potential anticonvulsant activity. Arch Pharm Res. 2010 Jul;33(7):971-80.

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

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