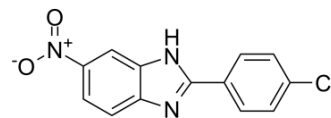


## GABAA receptor agent 1

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)

Concentration	Solvent	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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