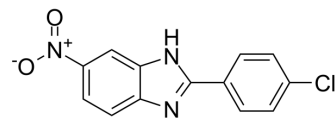


GABAA receptor agent 1

Cat. No.:	HY-133486		
CAS No.:	1571-87-5		
Molecular Formula:	C ₁₃ H ₈ ClN ₃ O ₂		
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^[1].

In Vivo

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

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.

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

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