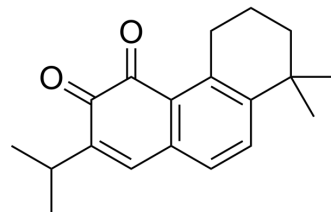


Miltirone

Cat. No.:	HY-N1951
CAS No.:	27210-57-7
Molecular Formula:	C ₁₉ H ₂₂ O ₂
Molecular Weight:	282.38
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (177.07 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.5413 mL	17.7066 mL	35.4133 mL
				5 mM	0.7083 mL	3.5413 mL	7.0827 mL
				10 mM	0.3541 mL	1.7707 mL	3.5413 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.85 mM); Suspended solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	Miltirone is a natural compound present in the root of <i>Salvia miltiorrhiza</i> . Miltirone is a central benzodiazepine receptor partial agonist, with an IC ₅₀ of 0.3 μM ^[1] .
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REFERENCES

[1]. C M Lee, et al. Miltirone, a central benzodiazepine receptor partial agonist from a Chinese medicinal herb *Salvia miltiorrhiza*. *Neurosci Lett*. 1991 Jun 24;127(2):237-41.

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

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