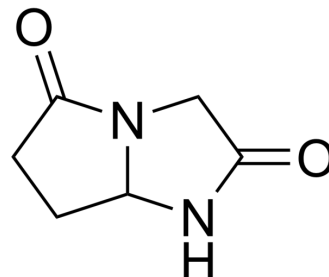


Dimiracetam

Cat. No.:	HY-106856
CAS No.:	126100-97-8
Molecular Formula:	C ₆ H ₈ N ₂ O ₂
Molecular Weight:	140.14
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (891.97 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.1357 mL	35.6786 mL	71.3572 mL
		5 mM	1.4271 mL	7.1357 mL	14.2714 mL
		10 mM	0.7136 mL	3.5679 mL	7.1357 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: ≥ 2.08 mg/mL (14.84 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (14.84 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (14.84 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Dimiracetam is an orally active compound, with anti-neuropathic activity. Dimiracetam inhibits hypersensitivity and neurological alterations, and inhibits Sorafenib (HY-10201)-induced neuropathy in cold stimulation rat models ^[1] .
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REFERENCES

[1]. Di Cesare Mannelli L, et al. A model of neuropathic pain induced by sorafenib in the rat: Effect of dimiracetam. Neurotoxicology. 2015 Sep;50:101-7.

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

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