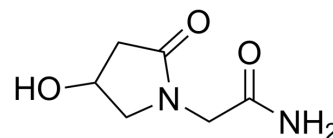


Oxiracetam

Cat. No.:	HY-B1715		
CAS No.:	62613-82-5		
Molecular Formula:	C ₆ H ₁₀ N ₂ O ₃		
Molecular Weight:	158.16		
Target:	GABA Receptor		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (632.27 mM)
 DMSO : 25 mg/mL (158.07 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	Mass		
1 mM		6.3227 mL	31.6136 mL	63.2271 mL
5 mM		1.2645 mL	6.3227 mL	12.6454 mL
10 mM		0.6323 mL	3.1614 mL	6.3227 mL

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

BIOLOGICAL ACTIVITY

Description

Oxiracetam is a cyclic derivative of γ-aminobutyric acid (GABA) which has been commonly used as nootropic agent to treat cognitive impairments.

IC₅₀ & Target

GABA receptor^[1]

REFERENCES

[1]. Li W, et al. (S)-Oxiracetam is the Active Ingredient in Oxiracetam that Alleviates the Cognitive Impairment Induced by Chronic Cerebral Hypoperfusion in Rats. Sci Rep. 2017 Aug 30;7(1):10052.

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

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