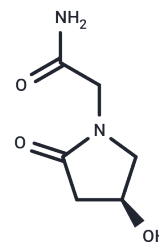


(S)-Oxiracetam

Chemical Properties

CAS No. :	88929-35-5
Formula:	C ₆ H ₁₀ N ₂ O ₃
Molecular Weight:	158.16
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	(S)-Oxiracetam is a positive allosteric the AMPA receptorsmodulator.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1265 mL	0.6323 mL	1.2645 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Li W, Liu H, Jiang H, Wang C, Guo Y, Sun Y, Zhao X, Xiong X, Zhang X, Zhang K, Nie Z, Pu X. (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. doi: 10.1038/s41598-017-10283-4. PubMed PMID: 28855592; PubMed Central PMCID: PMC5577264.

Huang L, Shang E, Fan W, Li X, Li B, He S, Fu Y, Zhang Y, Li Y, Fang W. S-oxiracetam protect against ischemic stroke via alleviating blood brain barrier dysfunction in rats. *Eur J Pharm Sci.* 2017 Nov 15;109:40-47. doi: 10.1016/j.ejps.2017.07.029. Epub 2017 Jul 29. PubMed PMID: 28760594.

Wang W, Ji H, Li T, Jia Y, Xie H. Pharmacokinetic comparisons of S-oxiracetam and R-oxiracetam in beagle dogs. *Acta Pharm.* 2016 Jun 1;66(2):279-87. doi: 10.1515/acph-2016-0013. PubMed PMID: 27279070.

Zhang Q, Yang W, Zhang Q, Yang Y, Li J, Lu Y, Zheng Y, He J, Zhao D, Chen X. Enantioselective HPLC determination of oxiracetam enantiomers and application to a pharmacokinetic study in beagle dogs. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Jul 1;993-994:9-13. doi: 10.1016/j.jchromb.2015.04.033. Epub 2015 Apr 30. PubMed PMID: 25978861.

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