

Product Data Sheet

Product Name: (R)-Oxiracetam

Cat. No.: GC34991

Chemical Properties

Cas. No. 68252-28-8

SMILES O=C(N)CN1C(C[C@@H](O)C1)=O

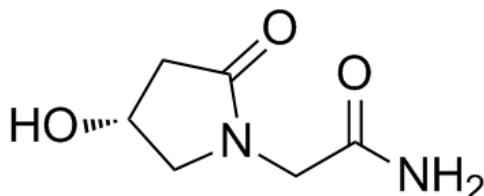
Formula $C_6H_{10}N_2O_3$ M.Wt 158.16

Solubility Water: ≥ 50 mg/mL (316.14 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

(R)-Oxiracetam is the (R)-enantiomer of the nootropic drug oxiracetam. Oxiracetam (ISF 2522) is a nootropic drug of the racetam family and stimulant. IC50 value: Target: nootropic drug Oxiracetam (ISF 2522) is a nootropic drug of the racetam family and stimulant.[1][2] Several animal studies suggest that the substance is safe even when high doses are consumed for a long period of time.[medical citation needed] However, the mechanism of action of the racetam drug family is still a matter of research. Oxiracetam is not approved by Food and Drug Administration for any medical use in the United States.

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

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[1]. Malykh AG, et al. Piracetam and piracetam-like drugs: from basic science to novel clinical applications to CNS disorders. *Drugs*. 2010 Feb 12;70(3):287-312. [2]. Valzelli L, et al. Difference in learning and retention by Albino Swiss mice. Part III. Effect of some brain stimulants. *Methods Find Exp Clin Pharmacol*. 1986 Jun;8(6):337-41.

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