Product Name: Piracetam
CAS No.: 7491-74-9
Cat. No.: HY-B0585
MWt: 142.16
Formula: C6H10N2O2
Purity: >98%

Solubility: DMSO 72 mg/mL; Water 72 mg/mL

Mechanisms:

Biological Activity:
Piracetam is a cyclic derivative of the neurotransmitter gamma-aminobutyric acid (GABA), used in treatment of a wide range of cognitive disorders.
Target: Others
Piracetam is able to significantly decrease the fusogenic and destabilising effect of Abeta 29-42, in a concentration-dependent manner. Preincubation of piracetam, at a piracetam/peptide ratio of 960, during 20 min before the addition of Abeta 29-42 prevents almost completely the mixture of the two fluorescent probes. Preincubation of piracetam with lipids prevents almost completely the release of calcein induced by the peptide in a dose-dependent fashion (piracetam/peptide ratios from 9.6 to 960) [1]. Piracetam (< 1.0 mM) preincubated with brain membranes enhances membrane fluidity in aged mice, rats and humans, as indicated by decreased anisotropy of the membrane-bound fluorescence probe 1,6-diphenyl-1,3,5-h...

References:

Caution: Not fully tested. For research purposes only

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