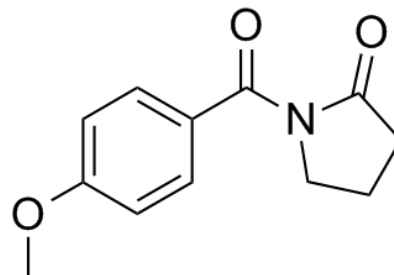


Product Name : Aniracetam
Cat. No. : PC-42742
CAS No. : 72432-10-1
Molecular Formula : C₁₂H₁₃NO₃
Molecular Weight : 219.2365
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

Aniracetam (Ro 13-5057) is a positive allosteric modulator of AMPAR, potentiates the iQA responses induced in *Xenopus* oocytes by rat brain mRNA in a reversible manner.

Aniracetam enhances glutamate-evoked currents in whole-cell recordings.

Aniracetam strongly reduces glutamate receptor desensitization.

Aniracetam selectively prolongs the time course and increases the peak amplitude of fast synaptic currents.

References

Ito I, et al. *J Physiol.* 1990 May;424:533-43.

Isaacson JS, et al. *Proc Natl Acad Sci U S A.* 1991 Dec 1;88(23):10936-40.

Tang CM, et al. *Science.* 1991 Oct 11;254(5029):288-90.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com