Product Name: Aniracetam
CAS No.: 72432-10-1
Cat. No.: HY-10932
MwT: 219.24
Formula: C12H13NO3
Purity: >98%

Solubility:
- DMSO 44 mg/mL
- Water <1 mg/mL
- Ethanol 18 mg/mL

Mechanisms:
- Pathways: Membrane Transporter/Ion Channel; Target: AMPAR
- Pathways: Neuronal Signaling; Target: AMPAR

Biological Activity:
Aniracetam (Ro 13-5057) is a nootropics and neuroprotective drug, which is selectively modulates the AMPA receptor and nAChR.
Target: AMPA; nAChR
Aniracetam is an ampakine and nootropic of the racetam chemical class purported to be considerably more potent than pitacetam. It selectively modulates the AMPA receptor. It is lipid soluble and has possible cognition enhancing effects. It has been tested in animals extensively, Alzheimer’s patients and temporarily-impaired healthy subjects. It has shown potential as an anxiolytic in three clinical animal models [1].
Administration of aniracetam for 10 days (post-natal days (PND) 18-27), at a dose of 50 mg/kg reversed cognitive deficits in both rat genders, indicated by a significant increase in the number of avoidances and the number of ‘good learners’. After the termination of the nootropic treatment, a significant increase...

References:

Caution: Not fully tested. For research purposes only
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