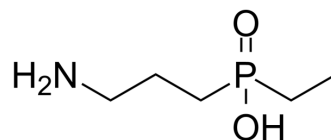


CGP36216

Cat. No.:	HY-103518
CAS No.:	123691-29-2
Molecular Formula:	C ₅ H ₁₄ NO ₂ P
Molecular Weight:	151.14
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CGP36216 is a selective antagonist at GABA presynaptic receptor. CGP36216 binds to GABAB receptor with a K _i value of 0.3 μM. CGP36216 hydrochloride can be used for research of anxiety and trauma-related disorders ^{[1][2]} .
IC ₅₀ & Target	GABAB receptor ^[1]
In Vitro	CGP36216 is ineffective at GABA postsynaptic receptors, it is appreciably more active at presynaptic receptors ^[2] . CGP36216 (100 μM) could increase the frequency of spontaneous firing in VTA-DA neurons ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. William Howson, et al. Biological activity of 3-aminopropyl (methyl) phosphinic acid, a potent and selective GABAB agonist with CNS activity. Bioorganic & Medicinal Chemistry Letters. Volume 3, Issue 4, April 1993, Pages 515-518.
- [2]. J Ong, et al. CGP 36216 is a selective antagonist at GABA(B) presynaptic receptors in rat brain. Eur J Pharmacol. 2001 Mar;415(2-3):191-5.
- [3]. Ming Chen, et al. Morphine disinhibits glutamatergic input to VTA dopamine neurons and promotes dopamine neuron excitation. Elife. 2015 Jul 24;4:e09275.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA