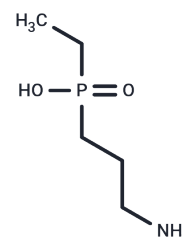


CGP 36216 hydrochloride

Chemical Properties

CAS No. : 123691-29-2
Formula: C₅H₁₄NO₂P
Molecular Weight: 151.14
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	CGP 36216 hydrochloride is a potent and selective antagonist of GABAB receptors (IC ₅₀ : 43 μM).
Targets(IC ₅₀)	Others,GABA Receptor
In vitro	In rat neocortical preparations maintained in Mg ²⁺ -free Krebs medium, CGP 36216 acts as antagonism of baclofen-induced suppression of spontaneous discharges in a concentration-dependent manner. However, CGP 36216, up to 1 mM, was ineffective in antagonizing baclofen-induced hyperpolarisations, mediated through gamma-aminobutyric acid (B) GABAB postsynaptic receptors 1. In electrically stimulated brain slices preloaded with [3H] GABA, CGP 36216 increased the release of [3H] GABA, which was reversed by baclofen. While CGP 36216 is ineffective at GABAB postsynaptic receptors, it is appreciably more active at presynaptic receptors1.

Solubility Information

Solubility	H ₂ O: <18.76 mg/mL,Sonication is recommended. DMSO: <18.76 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6164 mL	33.0819 mL	66.1638 mL
5 mM	1.3233 mL	6.6164 mL	13.2328 mL
10 mM	0.6616 mL	3.3082 mL	6.6164 mL
50 mM	0.1323 mL	0.6616 mL	1.3233 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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