

Data Sheet (Cat.No.T22647)

CGP 36216 hydrochloride

Chemical Properties

CAS No.:	123691-29-2
Formula:	C ₅ H ₁₄ NO ₂ P·HCl
Molecular Weight:	187.6
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	CGP 36216 hydrochloride is a potent and selective antagonist of GABAB receptors (IC ₅₀ : 43 μM).
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: <18.76mg/ml DMSO: <18.76mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.33 mL	26.652 mL	53.305 mL
5 mM	1.066 mL	5.33 mL	10.661 mL
10 mM	0.533 mL	2.665 mL	5.33 mL
50 mM	0.107 mL	0.533 mL	1.066 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481