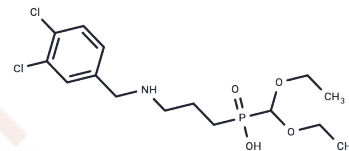


CGP52432

Chemical Properties

CAS No. : 139667-74-6
 Formula: C₁₅H₂₄Cl₂NO₄P
 Molecular Weight: 384.24
 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	CGP52432 is a very potent antagonist of GABAB receptors (IC ₅₀ = 85 nM).
Targets(IC ₅₀)	GABA Receptor
Kinase Assay	Reactions are set up with Acetyl coenzyme A (AcCoA)(0.4 μM), N-terminal histone H4 peptide (sequence SGRGKGGKGLGKGGAKRHRKV-GGK-biotin)(50 nM), MOZ enzyme(10 nM), and an acetyl-lysine specific antibody (final dilution 1: 10000).

Solubility Information

Solubility	DMSO: 5 mg/mL (13.01 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6025 mL	13.0127 mL	26.0254 mL
5 mM	0.5205 mL	2.6025 mL	5.2051 mL
10 mM	0.2603 mL	1.3013 mL	2.6025 mL
50 mM	0.0521 mL	0.2603 mL	0.5205 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.

Reference

Bonanno G,etal.GABA(B) receptors as potential targets for drugs able to prevent excessive excitatory amino acid transmission in the spinal cord.Eur J Pharmacol. 1998 Dec 4;362(2-3):143-8.

Lanza M,etal.CGP 52432: a novel potent and selective GABAB autoreceptor antagonist in rat cerebral cortex.Eur J Pharmacol. 1993 Jun 24;237(2-3):191-5.

Libri V,etal.Blockade of GABA(B) receptors facilitates muscarinic agonist-induced epileptiform activity in immature rat piriform cortex in vitro.Naunyn Schmiedebergs Arch Pharmacol. 1998 Aug;358(2):168-74.

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