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DATASHEET

CGP 52432

Product overview

Name	CGP 52432
Cat No	HB0958
Biological action	Antagonist
Purity	>99%
Description	Potent, selective GABA _B receptor antagonist

Images



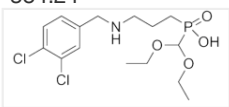
Biological Data

Biological description	Potent and selective GABA _B receptor antagonist (IC ₅₀ = 85 nM).
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Solubility & Handling

Storage instructions	+4 °C (desiccate)
Solubility overview	Soluble in water (10mM, gentle warming)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3-[[[(3,4-Dichlorophenyl)methyl]amino]propyl]diethoxymethyl)phosphinic acid
Molecular Weight	384.24
Chemical structure	
Molecular Formula	C ₁₅ H ₂₄ Cl ₂ NO ₄ P
CAS Number	139667-74-6
PubChem identifier	132252

Chemical name	3-[[[(3,4-Dichlorophenyl)methyl]amino]propyl]diethoxymethyl)phosphinic acid
SMILES	<chem>ClC1=CC=C(CNCCCP(C(OCC)OCC)(O)=O)C=C1Cl</chem>
Source	Synthetic
InChiKey	GJZVQXWEIYRHBE-UHFFFAOYSA-N
MDL number	MFCD09878290
Appearance	White solid

References

CGP 52432: a novel potent and selective GABAB autoreceptor antagonist in rat cerebral cortex.

Lanza M *et al* (1993) Eur J Pharmacol 237(2-3)

PubMedID [8103461](#)

Blockade of the GABA(B) receptor increases neurogenesis in the ventral but not dorsal adult hippocampus: relevance to antidepressant action.

Felice D *et al* (2012) Neuropharmacology 63(8)

PubMedID [22884610](#)

GABA(B) receptors as potential targets for drugs able to prevent excessive excitatory amino acid transmission in the spinal cord.

Bonanno G *et al* (1998) Eur J Pharmacol 362(2-3)

PubMedID [9874164](#)
