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DATASHEET

CGP 35348

Product overview

Name	CGP 35348
Cat No	HB0955
Biological action	Antagonist
Description	Selective GABA _B receptor antagonist

Images



Biological Data

Biological description	Selective GABA _B receptor antagonist ($IC_{50} = 34 \mu M$). Improves learning and neuromuscular function in a model of ischemia. Shows pro-epileptic actions. Blood-brain barrier permeable.
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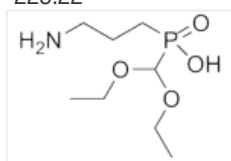
Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (100mM)
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-Aminopropyl)(diethoxymethyl)phosphinic acid
Molecular Weight	225.22

Chemical structure



Molecular Formula	C ₈ H ₂₀ NO ₄ P
CAS Number	123690-79-9
PubChem identifier	107699
SMILES	NCCCP(C(OCC)OCC)(O)=O
InChIKey	QIIVUOWTHWIXFO-UHFFFAOYSA-N

Chemical name

(3-Aminopropyl)(diethoxymethyl)phosphinic acid

References

CGP 35348: a centrally active blocker of GABAB receptors.

Olpe HR *et al* (1990) Eur J Pharmacol 187(1)

PubMedID [2176979](#)

CGP 35348, GABA B receptor antagonist, has a potential to improve neuromuscular coordination and spatial learning in albino mouse following neonatal brain damage.

Gillani Q *et al* (2014) Biomed Res Int 2014

PubMedID [24804211](#)

Involvement of GABA(B) receptors in convulsant-induced epileptiform activity in rat neocortex in vitro.

Sutor B *et al* (1998) Eur J Neurosci 10(11)

PubMedID [9824455](#)
