Datasheet

Product overview

Name: CGP 35348
Cat No: HB0955
Short description: Selective GABA\(_B\) receptor antagonist
Biological description: Selective GABA\(_B\) receptor antagonist (IC\(_{50}\) = 34 µM). Improves learning and neuromuscular function in a model of ischemia. Shows pro-epileptic actions. Blood-brain barrier permeable.
Biological action: Antagonist

Properties

Chemical name: (3-Aminopropyl)(diethoxymethyl)phosphinic acid
Molecular Weight: 225.22
Chemical structure:

\[
\begin{align*}
\text{H}_2\text{N} & \quad \text{P} \\
\text{O} & \quad \text{O} \\
\text{OH} & \quad \text{O}
\end{align*}
\]

Molecular Formula: C\(_8\)H\(_{20}\)NO\(_4\)P
CAS Number: 123690-79-9
PubChem identifier: 107699
SMILES: NCCCP(O(OC)OCC)(O)=O
InChiKey: QlIVUOWTHWIXFO-UHFFFAOYSA-N

Storing and Using Your Product

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.

References for CGP 35348

CGP 35348: a centrally active blocker of GABAB receptors.
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.


PubMedID: 24804211

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


PubMedID: 9824455