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DATASHEET

Eliprodil

Product overview

Name	Eliprodil
Cat No	HB0274
Biological action	Antagonist
Purity	>98%
Description	Non-competitive, GluN2B subunit selective NMDA receptor antagonist

Images



Biological Data

Biological description	Non-competitive and GluN2B subunit selective NMDA receptor antagonist. Binds at the polyamine site. IC ₅₀ values are 1, >100 and >100 μM for GluN2B, GluN2A and GluN2C respectively. Also Inhibits voltage- dependent Ca ²⁺ channels. Shows neuroprotective actions and potentiates anticonvulsant effects of CGP 37849.
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Solubility & Handling

Storage instructions	+4 °C (desiccate)
Solubility overview	Soluble in DMSO (25mM)
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	α-(4-Chlorophenyl)-4-[(4-fluorophenyl)methyl]-1-piperidineethanol
Molecular Weight	347.86
Chemical structure	
Molecular Formula	C ₂₀ H ₂₃ ClFNO
CAS Number	119431-25-3
PubChem identifier	60703
SMILES	C1CN(CCC1CC2=CC=C(C=C2)F)CC(C3=CC=C(C=C3)Cl)O
InChi	InChI=1S/C20H23ClFNO/c21-18-5-3-17(4-6-18)20(24)14-23-11-9-16(10-12-23)13-15-1-7-19(22)8-2

Chemical name	α -(4-Chlorophenyl)-4-[(4-fluorophenyl)methyl]-1-piperidineethanol
InChiKey	-15/h1-8,16,20,24H,9-14H2
MDL number	GGUSQTSTQSHJAH-UHFFFAOYSA-N MFCD00866651

References

Prevention by eliprodil (SL 82.0715) of traumatic brain damage in the rat. Existence of a large (18 h) therapeutic window.

Toulmond S *et al* (1993) Prevention by eliprodil (SL 82 620(1)

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Antagonism of NMDA receptors by sigma site ligands: potency, subtype-selectivity and mechanisms of inhibition.

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The effects of ifenprodil and eliprodil on voltage-dependent Ca²⁺ channels and in gerbil global cerebral ischaemia.

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