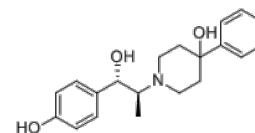


Product Name : Traxoprodil
Cat. No. : PC-61514
CAS No. : 134234-12-1
Molecular Formula : C₂₀H₂₅NO₃
Molecular Weight : 327.42
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

Traxoprodil (CP101606) is a potent, selective N-methyl-D-aspartate (NMDA) antagonist with selectivity for the **NR2B** subunit, potently protects cultured hippocampal neurons from glutamate toxicity (IC₅₀=10 nM).

Traxoprodil (CP101606) dramatically reduces both the open dwell-time and frequency of channel opening of NR1/NR2B-containing receptors, but only modestly inhibits NR1/NR2A and NR1/NR2C channel activity.

Traxoprodil (CP101606) exhibits neuroprotective, analgesic, and anti-Parkinsonian effects in animal studies.

References

Chenard BL, et al. *J Med Chem.* 1995 Aug 4;38(16):3138-45.

Taniguchi K, et al. *Br J Pharmacol.* 1997 Nov;122(5):809-12.

Brimecombe JC, et al. *Proc Natl Acad Sci U S A.* 1997 Sep 30;94(20):11019-24.

Guscott MR, et al. *Eur J Pharmacol.* 2003 Aug 29;476(3):193-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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