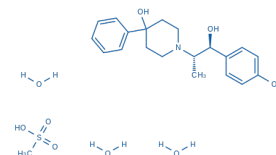


Catalog Number: CM05291

产品信息

Catalog Number:
CM05291CAS号:
189894-57-3分子式:
C₂₁H₃₅NO₉S主要靶点:
NMDAR主要通路:
Neuronal Signaling分子量:
477.5689MDL NO:
MFCD22377951Pubchem ID:
9826324.0

描述

Traxoprodil mesylate (CP101,606) is a potent and selective NMDA antagonist and protect hippocampal neurons with an IC₅₀ of 10 nM. Traxoprodil is effective at 1 mg/kg to block NMDA (ip) stimulated c-fos induction in mice^[1]. Traxoprodil (20nmol i.v.) increased the latency to generalized tonic-clonic seizures induced by PTZ (pentylenetetrazol) (70mg/kg; i.p.). Traxoprodil (60mg/kg, p.o.) increased the latency to clonic and generalized seizures, and decreased the total time spent in seizures^[2]. Traxoprodil at a dose of 20 and 40 mg/kg exhibited antidepressant activity in the FST (forced swim test) and it was not related to changes in animals' locomotor activity^[3].

储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack

参考文献

- 1 Chenard BL, Bordner J, Butler TW, Chambers LK, Collins MA, De Costa DL, Ducat MF, Dumont ML, Fox CB, Mena EE, et al. (1S,2S)-1-(4-hydroxyphenyl)-2-(4-hydroxy-4-phenylpiperidino)-1-propanol: a potent new neuroprotectant which blocks N-methyl-D-aspartate responses. *J Med Chem.* 1995 Aug 4;38(16):3138-45
- 2 Naspolini AP, Cocco AR, Villa Martignoni F, Oliveira MS, Furian AF, Rambo LM, Rubin MA, Barron S, Mello CF. Traxoprodil decreases pentylenetetrazol-induced seizures. *Epilepsy Res.* 2012 Jun;100(1-2):12-9
- 3 Poleszak E, Stasiuk W, Szopa A, Wyska E, Serefko A, Oniszczyk A, Woźko S, Wiśniewski K, Wlaź P. Traxoprodil, a selective antagonist of the NR2B subunit of the NMDA receptor, potentiates the antidepressant-like effects of certain antidepressant drugs in the forced swim test in mice. *Metab Brain Dis.* 2016 Aug;31(4):803-14