
Eliprodil

产品编号: D61195

CAS: 119431-25-3

分子式: C₂₀H₂₃ClFNO

纯度: 99%

InChi Key: InChiKey=GGUSQTSTQSHJAH-UHFFFAOYSA-N

Smiles: c1(C(CN2CCC(CC2)Cc2ccc(cc2)F)O)ccc(cc1)Cl

外观: 固体粉末

作用通路: Membrane transporter/Ion channel

作用靶点: iGluR; NMDAR

溶解性: DMSO: 14.29 mg/mL (41.08 mM; Need ultrasonic)

保存条件: -20°C

产品介绍: Eliprodil(SL-820715) is a non-competitive NR2B-NMDA receptor antagonist(IC₅₀=1 uM), less potent for NR2A- and NR2C-containing receptors(IC₅₀> 100 uM). IC₅₀ value: Target: NR2B-NMDA antagonist Human N-type Ca²⁺ channel currents were inhibited by ifenprodil and eliprodil with IC₅₀ values of 50 microM and 10 microM respectively whereas P-type Ca²⁺ channel currents were inhibited reversibly by ifenprodil and eliprodil with approximate IC₅₀ values of 60 microM and 9 microM respectively. eliprodil (1 microm) produced a moderate reverse rate-dependent prolongation of the action potential duration (7.4+/-1.5, 8.9+/-2.1 and 9.9+/-1.8% at cycle lengths of 300, 1000 and 5000 ms, respectively; n=9).