
(+)MK-801 maleate

产品编号: D51280

CAS: 77086-22-7

分子式: C₂₀H₁₉NO₄

纯度: ≥98%

InChi: InChi=1S/C16H15N.C4H4O4/c1-16-13-8-4-2-6-11(13)10-15(17-16)12-7-3-5-9-14(12)16;5-3(6)1-2-4(7)8/h2-9,15,17H,10H2,1H3;1-2H,(H,5,6)(H,7,8)/b;2-1-/t15-,16+;/m1./s1

InChi Key: QLTXKCWMEZIHBJ-PJGJYSAQSA-N

Smiles: C[C@]12N[C@H](CC3=CC=CC=C13)C1=CC=CC=C21.OC(=O)/C=C\C(O)=O

外观: 固体粉末

作用通路: iGluR

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: (+)MK-801 maleate is an uncompetitive antagonist of the N-Methyl-D-aspartate (NMDA) receptor. Dizocilpine blocks NMDA receptors in a use- and voltage-dependent manner, since the channel must open for the drug to bind inside it. The drug acts as a potent anti-convulsant and likely has dissociative anesthetic properties, but it is not used clinically for this purpose due to the discovery of brain lesions, called Olney's lesions (see below), in test rats. Dizocilpine is the most frequently used non-competitive NMDA receptor antagonist in animal models to mimic psychosis for experimental purposes.