

Product Name : NS-1209

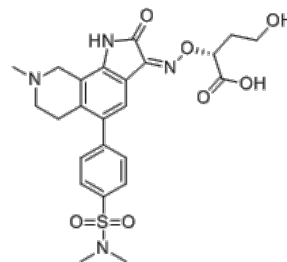
Synonyms : NS1209;SPD502

Cat No. : M13710

CAS Number : 245063-59-6

Molecular Formula : C₂₄H₂₈N₄O₇S

Formula Weight : 516.57



Chemical Name : (R,Z)-2-(((5-(4-(N,N-dimethylsulfamoyl)phenyl)-8-methyl-2-oxo-1,2,6,7,8,9-hexahydro-3H-pyrrolo[3,2-h]isoquinolin-3-ylidene)amino)oxy)-4-hydroxybutanoic acid

Description : A selective, water-soluble, in vivo long-lasting AMPA antagonist with K_i of 43 nM; display selectivity for the [3H] AMPA over the [3H]kainate- (IC₅₀=81 uM), [3H]CGS19755, and [3H]glycine-binding sites (IC₅₀ > 30 uM) in rat cortical membranes; inhibits AMPA-induced currents in cortical neurons with IC₅₀ of 0.15 uM; blocks AMPA-evoked spike activity in rat hippocampus (ED₅₀=6.1mg/kg). Stroke Phase 2 Discontinued

Pathway : Membrane Transporter/Ion Channel

Target : iGluR

Receptor : iGluR

Solubility : —

SMILES : O=C(O)[C@H](O/N=C1C2=C(C(C3)=C(CCN3C)C(C4=CC=C(C(C4)S(N(C)C)(=O)=O)=C2)NC/1=O)CCO

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Nielsen EO, et al. J Pharmacol Exp Ther. 1999 Jun;289(3):1492-501. 2. Erichsen HK, et al. Pain. 2002 Jul;98(1-2):151-61. 3. Langer M, et al. Neuropharmacology. 2011 Oct-Nov;61(5-6):1033-47.