

Catalog Number: CM11325

产品信息

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CM11325

CAS号:
894002-50-7

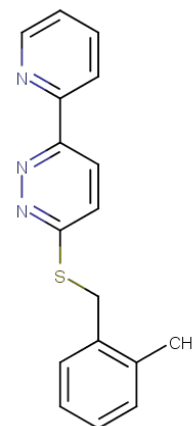
分子式:
C₁₇H₁₅N₃S

主要靶点:
transporter

主要通路:
代谢

分子量:
293.39

溶解度:
DMSO:16.67 mg/mL (56.81 mM)



体外活性

LDN/OSU-0212320 enhanced EAAT2 protein levels and glutamate uptake function but did not affect EAAT1 or EAAT3 protein levels and it also increased EAAT2 protein levels in a dose-dependent (EC₅₀: 1.83 ± 0.27 μM) and time-dependent manner. LDN/OSU-0212320 treatment markedly prevented neuronal loss and degeneration, as assessed by MAP2 immunostaining [2].

体内活性

After LDN/OSU-0212320 (a single i.p.; 40-mg/kg) treatment, EAAT2 protein levels and associated glutamate uptake increased by approximately 1.5- to 2-fold at 2 hours and by approximately 2- to 3-fold between 8 and 24 hours after injection. Even 72 hours after injection, an approximately 1.5-fold increase in EAAT2 protein levels could still be detected (data not shown). LDN/OSU-0212320-induced EAAT2 protein levels and glutamate uptake was dose-dependent [2].

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.