**Product Name:** LDN-212320  
**CAS No.:** 894002-50-7  
**Cat. No.:** HY-12741  
**MWT:** 293.39  
**Formula:** C17H15N3S  
**Purity:** >98%  
**Solubility:** 100 mM in DMSO

**Mechanisms:**  
Pathways: Membrane Transporter/Ion Channel; Target: EAAT2

**Biological Activity:**  
LDN-212320(OSU-0212320) is a glutamate transporter EAAT2 activator; enhances EAAT2 levels by > 6 fold at concentrations < 5 μM after 24 h.  
IC50 value: 1.83 μM(EC50) [2]  
Target: EAAT2 activator  
in vitro: LDN/OSU-0212320 increased EAAT2 protein levels in a dose-dependent(EC50=1.83 ± 0.27 μM) and time-dependent manner. LDN/OSU-0212320 increased EAAT2 protein levels and glutamate uptake function, but did not affect EAAT1 or EAAT3 protein levels.  
LDN/OSU-0212320 treatment markedly prevented neuronal loss and degeneration, as assessed by MAP2 immunostaining [2].  
in vivo: After a single i.p. 40-mg/kg dose of LDN/OSU-0212320, 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 E...

**References:**  

Caution: Not fully tested. For research purposes only

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