

Product Name : ZL-006

Synonyms : ZL 006; ZL006

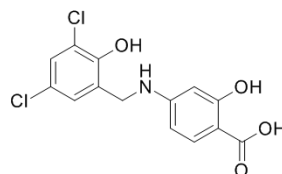
Cat No. : M10618

CAS Number : 1181226-02-7

Molecular Formula : C₁₄H₁₁Cl₂NO₄

Formula Weight : 328.15

Chemical Name : Benzoic acid, 4-[[[(3,5-dichloro-2-hydroxyphenyl)methyl]amino]-2-hydroxy-



Description : ZL-006 (ZL 006, ZL006) is a brain penetrant small molecule inhibitor of PSD-95/nNOS interaction that prevents glutamate-induced excitotoxicity and cerebral ischemic damage in vivo; selectively blocks the ischemia-induced nNOS-PSD-95 association, shows potent neuroprotective activity in vitro and ameliorates focal cerebral ischemic damage in mice and rats subjected to middle cerebral artery occlusion (MCAO) and reperfusion; does not inhibit NMDAR function, catalytic activity of nNOS or spatial memory, and has no effect on aggressive behaviors.

Pathway : Immunology/Inflammation

Target : NOS

Receptor : NOS

Solubility : DMSO: ≥ 29 mg/mL

SMILES : O=C(O)C1=CC=C(NCC2=CC(Cl)=CC(Cl)=C2O)C=C1O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhou L, et al. Nat Med. 2010 Dec;16(12):1439-43. | 2. Doucet MV, et al. Neuropsychopharmacology. 2013 Jul;38(8):1575-84. | 3. Bach A, et al. Sci Rep. 2015 Jul 16;5:12157.