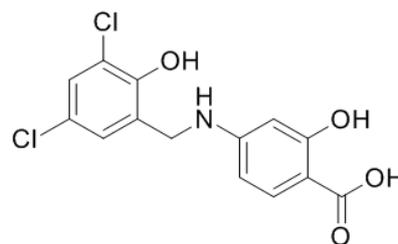


Product Name : ZL006
Cat. No. : PC-42162
CAS No. : 1181226-02-7
Molecular Formula : C₁₄H₁₁Cl₂NO₄
Molecular Weight : 328.1474
Target : Nitric Oxide Synthase (NOS)
Solubility : DMSO: ≥ 29 mg/mL



Biological Activity

ZL006 (ZL 006, ZL-006) is a brain penetrant small molecule inhibitor of **PSD-95/nNOS interaction** that prevents glutamate-induced excitotoxicity and cerebral ischemic damage in vivo.

ZL006 selectively blocks the ischemia-induced nNOS-PSD-95 association.

ZL006 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.

ZL006 does not inhibit NMDAR function, catalytic activity of nNOS or spatial memory, and has no effect on aggressive behaviors.

References

Zhou L, et al. *Nat Med.* 2010 Dec;16(12):1439-43.

Doucet MV, et al. *Neuropsychopharmacology.* 2013 Jul;38(8):1575-84.

Bach A, et al. *Sci Rep.* 2015 Jul 16;5:12157.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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