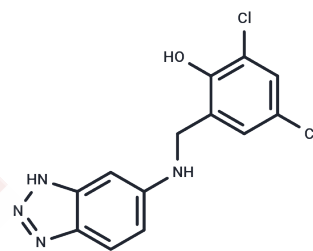


IC87201

Chemical Properties

CAS No. : 866927-10-8
 Formula: C₁₃H₁₀Cl₂N₄O
 Molecular Weight: 309.15
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	IC87201 is a nNOS-PDZ/PSD-95-PDZ inhibitor. IC87201 showed great promise in cellular experiments and animal models of ischemic stroke and pain.
Targets(IC50)	iGluR
In vitro	IC87201 have been presented as efficient inhibitors of the nNOS/PSD-95 protein-protein interaction and shown great promise in cellular experiments and animal models of ischemic stroke and pain. Under the applied in vitro conditions[1].

Solubility Information

Solubility	DMSO: 28 mg/mL (90.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2347 mL	16.1734 mL	32.3468 mL
5 mM	0.6469 mL	3.2347 mL	6.4694 mL
10 mM	0.3235 mL	1.6173 mL	3.2347 mL
50 mM	0.0647 mL	0.3235 mL	0.6469 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bach A , Pedersen S W , Dorr L A , et al. Biochemical investigations of the mechanism of action of small molecules ZL006 and IC87201 as potential inhibitors of the nNOS-PDZ/PSD-95-PDZ interactions[J]. Scientific Reports, 2015, 5: 12157.

Lee W H , Xu Z , Ashpole N M , et al. Small molecule inhibitors of PSD95-nNOS protein-protein interactions as novel analgesics[J]. Neuropharmacology, 2015:S0028390815002282.

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