

PICK1 PDZ-IN-1

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	PICK1 PDZ-IN-1 (Compound 6b) is a selective inhibitor of the protein kinase C binding protein 1 (PICK1 PDZ) domain that can cross the blood-brain barrier, with a K_i value of 27.73 μM . It competitively inhibits the interaction between PICK1 and the GluA2 subunit of AMPA receptors. This compound enhances the survival rate of glutamate-induced HT22 cells and primary cortical neuronal cells while inhibiting ROS production. PICK1 PDZ-IN-1 exhibits neuroprotective effects by reducing the area of cerebral infarction and is applicable in ischemic stroke research.
Targets(IC50)	iGluR,PKC

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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