Data Sheet (Cat.No.T78827)

TargetMol

CVN417

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	CVN417 is an orally active antagonist of nAChR containing the α6 subunit, modulating phasic dopaminergic neurotransmission in an impulse-dependent fashion. It inhibits Ca (2+) efflux through nAChR subunits, displaying IC50 values of 0.086 μM (α6), 2.56 μM (α3), and 0.657 μM (α4). CVN417 has shown efficacy in reducing resting tremor in rodent models, suggesting a potential to ameliorate movement disorders in conditions like Parkinson's disease [1].
Targets(IC50)	Others,AChR
In vitro	CVN417 (10 μM; 0-2 h) exhibits lower metabolic turnover in human liver microsomes or hepatocytes [1]. In vitro ADME data for CVN417 [1] show intrinsic clearance rates (Cl int) in human liver microsomes of 2.8 μL/min/mg, in rat 31.2, mouse 33.3, and dog 27.7; and in hepatocytes (mL/min/10^6 cells) in human 3.7, rat 20.8, mouse 25.1, and dog 32.3.

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