Data Sheet (Cat.No.T78171)

TargetMol

QR-0217

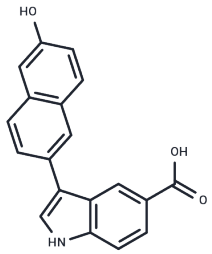
Chemical Properties

CAS No. : 1027786-12-4

Formula: C19H13NO3

Molecular Weight: 303.31

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	QR-0217 is a potent inhibitor of both Aβ1-40 and α-synuclein aggregation, exhibiting an IC50 of 7.5 μM for Aβ1-40. Additionally, QR-0217 has been shown to alleviate memory impairments attributed to Aβ neurotoxicity [1].
Targets(IC50)	Beta Amyloid,Others
In vitro	QR-0217 at concentrations of 20 and 100 μM after 96 hours suppresses the aggregation of α-synuclein at a concentration of 4 μM [1]. Additionally, at a concentration of 50 μM, QR-0217 significantly rescues the impairment of long-term potentiation (LTP) in hippocampal slices from APP/PS1 transgenic mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.297 mL	16.4848 mL	32.9696 mL
5 mM	0.6594 mL	3.297 mL	6.5939 mL
10 mM	0.3297 mL	1.6485 mL	3.297 mL
50 mM	0.0659 mL	0.3297 mL	0.6594 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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