Data Sheet (Cat.No.TMIH-0469)

TargetMol

Quinidine-D3

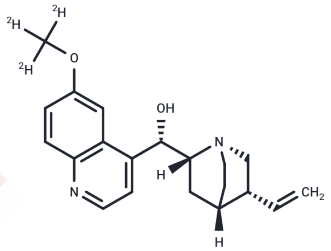
Chemical Properties

CAS No. : 1267657-68-0

Formula: C20H21D3N2O2

Molecular Weight: 327.44

Storage: Store at low temperature
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	Quinidine-D3 is the deuterated form of Quinidine (TMSM-2361), an established antiarrhythmic agent and potent potassium-channel blocker with an IC50 of 19.9 μM. Quinidine-D3 retains inhibitory activity toward CYP450db and is employed in pharmacokinetic analyses, ion-channel research, and studies of antimalarial mechanisms.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.054 mL	15.270 mL	30.5399 mL
5 mM	0.6108 mL	3.054 mL	6.108 mL
10 mM	0.3054 mL	1.527 mL	3.054 mL
50 mM	0.0611 mL	0.3054 mL	0.6108 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

Salata J J , Wasserstrom J A . Effects of quinidine on action potentials and ionic currents in isolated canine ventricular myocytes[J]. Circulation Research, 1988, 62(2):324-337.

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