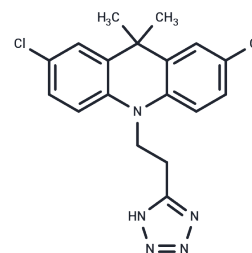


ML67-33

Chemical Properties

CAS No. : 1443290-89-8
 Formula: C₁₈H₁₇Cl₂N₅
 Molecular Weight: 374.27
 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	ML67-33 rapidly and reversibly affects K2P2.1 (TREK-1) (EC50s: 36.3 μM and 9.7 μM in cell-free and HEK293 cells, respectively). ML67-33 is a selective activator of temperature- and mechano-sensitive K2P channels.
Targets(IC50)	HIV Protease,Potassium Channel
In vitro	ML67-33 activates K2P channels and mutants, with EC50s of 21.8±1.3 μM for K2P2.1 (TREK-1) W275S, 49.4±1.1 μM for K2P2.1 (TREK-1)-3G, 30.2±1.4 μM for K2P10.1 (TREK-2), and 27.3±1.2 μM for K2P4.1 (TRAAK).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6719 mL	13.3593 mL	26.7187 mL
5 mM	0.5344 mL	2.6719 mL	5.3437 mL
10 mM	0.2672 mL	1.3359 mL	2.6719 mL
50 mM	0.0534 mL	0.2672 mL	0.5344 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

Bagriantsev SN, et al. A high-throughput functional screen identifies small molecule regulators of temperature- and mechano-sensitive K

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