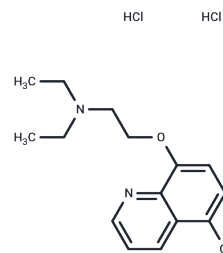


A2764 dihydrochloride

Chemical Properties

CAS No. :	861038-72-4
Formula:	C ₁₅ H ₂₁ Cl ₃ N ₂ O
Molecular Weight:	351.7
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	A2764 dihydrochloride is a highly selective inhibitor of TWIK-related spinal cord K ⁺ channel (TRESK).
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	DMSO: 41.67 mg/mL (118.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.69 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8433 mL	14.2167 mL	28.4333 mL
5 mM	0.5687 mL	2.8433 mL	5.6867 mL
10 mM	0.2843 mL	1.4217 mL	2.8433 mL
50 mM	0.0569 mL	0.2843 mL	0.5687 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

Chemically Modified Derivatives of the Activator Compound Cloxyquin Exert Inhibitory Effect on TRESK (K2P18.1) Background Potassium Channel.[j]. Molecular pharmacology, 2019.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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