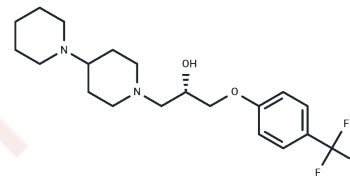


TWIK-1/TREK-1-IN-2

Chemical Properties

CAS No. : 1440532-32-0
 Formula: C₂₀H₂₉F₃N₂O₂
 Molecular Weight: 386.45
 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	TWIK-1/TREK-1-IN-2 (Compound 2g) serves as an inhibitor of both TWIK-1 and TREK-1, targeting the TREK-1 homodimer and TWIK-1/TREK-1 heterodimer with IC ₅₀ values of 10.13 μM and 15.5 μM, respectively; additionally, it exhibits antidepressant properties [1].
Targets(IC ₅₀)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5877 mL	12.9383 mL	25.8766 mL
5 mM	0.5175 mL	2.5877 mL	5.1753 mL
10 mM	0.2588 mL	1.2938 mL	2.5877 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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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