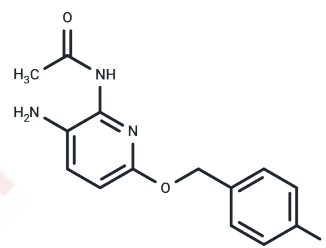


Kv7.2/Kv7.3 agonist 1

Chemical Properties

CAS No. :	2315450-35-0
Formula:	C ₁₄ H ₁₄ FN ₃ O ₂
Molecular Weight:	275.28
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	Kv7.2/Kv7.3 agonist 1 (Compound 16) is an orally effective agonist for the KV7.2/7.3 channels (KV7.2/7.3 channel/KCNQ2/3) with an EC ₅₀ of 1.03 μM. This compound demonstrates analgesic effects in mouse models of chronic constriction injury (CCI) and Streptozotocin-induced diabetic peripheral neuropathy (DPNP), with ED ₅₀ values of 12.02 mg/kg and 9.63 mg/kg, respectively.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6327 mL	18.1633 mL	36.3266 mL
5 mM	0.7265 mL	3.6327 mL	7.2653 mL
10 mM	0.3633 mL	1.8163 mL	3.6327 mL
50 mM	0.0727 mL	0.3633 mL	0.7265 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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