

VU0810464

Chemical Properties

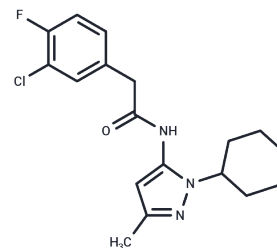
CAS No. : 2126040-21-7

Formula: C₁₈H₂₁ClFN₃O

Molecular Weight: 349.83

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	VU0810464 is a non-ureaG protein-gated inwardly-rectifying potassium channels (GIRK, Kir3) activator.
Targets(IC50)	Potassium Channel
In vivo	Reduced stress-induced hyperthermia (SIH), a physiological test of anxiolytic efficacy in wild mice, but had no impact in and Kcnj3 (Girk1) +/- mice.
Animal Research	Animal Model:Male C57BL/6J mice, Kcnj3 +/- siblings female and male C57BL/6J mice. Dosage:10 mg/kg; 30mg/kg. Administration:Intraperitoneal injection

Solubility Information

Solubility	DMSO: 250 mg/mL (714.63 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8585 mL	14.2927 mL	28.5853 mL
5 mM	0.5717 mL	2.8585 mL	5.7171 mL
10 mM	0.2859 mL	1.4293 mL	2.8585 mL
50 mM	0.0572 mL	0.2859 mL	0.5717 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.

Reference

Discovery and Characterization of 1H-Pyrazol-5-yl-2-phenylacetamides as Novel, Non-Urea-Containing GIRK1/2 Potassium Channel Activators[J]. Acs Chemical Neuroscience, 2017, 8(9):1873-1879.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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