Data Sheet (Cat.No.T39519)

TargetMol

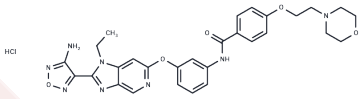
GSK269962A hydrochloride

Chemical Properties

CAS No. : 2095432-71-4

Formula: C29H31ClN8O5

Molecular Weight: 607.06



Storage: Keep away from moisture
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	GSK269962A hydrochloride (GSK 269962 hydrochloride) is a potent and selective ROCK inhibitor with anti-inflammatory and vasodilatory effects, inhibits ROCK1 and ROCK2, and can be used in the study of acute myeloid leukemias.
Targets(IC50)	ROCK
In vitro	GSK269962A hydrochloride is a potent ROCK inhibitor with IC50s of 1.6 nM and 4 nM for recombinant human ROCK1 and ROCK2, respectively. GSK269962A hydrochloride induced vasodilatation in preconstricted rat aortas with an IC50 of 35 nM.[1]
In vivo	GSK269962A hydrochloride (0.3, 1 and 3 mg/kg by gavage) induced a dose-dependent decrease in blood pressure in spontaneously hypertensive rats (SHR), with a rapid and significant antihypertensive effect. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6473 mL	8.2364 mL	16.4728 mL
5 mM	0.3295 mL	1.6473 mL	3.2946 mL
10 mM	0.1647 mL	0.8236 mL	1.6473 mL
50 mM	0.0329 mL	0.1647 mL	0.3295 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

Doe C, et al. Novel Rho kinase inhibitors with anti-inflammatory and vasodilatory activities. J Pharmacol Exp Ther. 2007 Jan;320(1):89-98.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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