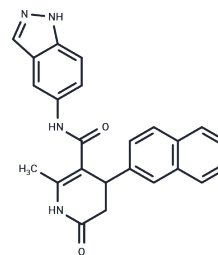


GSK270822A

Chemical Properties

CAS No. : 864082-23-5
 Formula: C₂₄H₂₀N₄O₂
 Molecular Weight: 396.44
 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	GSK270822A is a selective ROCK1 inhibitor. GSK270822A exhibits IC ₅₀ of 9nM, 1100nM, 1550nM for ROCK1, RSK1, p70S6K, respectively.
Targets(IC ₅₀)	GRK,ROCK
In vitro	GSK270822A inhibits rat aortic ring dilation with IC ₅₀ of 76nM[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (126.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5224 mL	12.6122 mL	25.2245 mL
5 mM	0.5045 mL	2.5224 mL	5.0449 mL
10 mM	0.2522 mL	1.2612 mL	2.5224 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 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

Identification and Structure-Function Analysis of Subfamily Selective G Protein-Coupled Receptor Kinase Inhibitors. By Homan, Kristoff T.; Larimore, Kelly M.; Elkins, Jonathan M.; Szklarz, Marta; Knapp, Stefan; Tesmer, John J. G. From ACS Chemical Biology (2015), 10(1), 310-319.

Development of Dihydropyridone Indazole Amides as Selective Rho-Kinase Inhibitors. By Goodman, Krista B.; Cui, Haifeng; Dowdell, Sarah E.; Gaitanopoulos, Dimitri E.; Ivy, Robert L.; Sehon, Clark A.; Stavenger, Robert A.; Wang, Gren Z.; Viet, Andrew Q.; Xu, Weiwei; et al. From Journal of Medicinal Chemistry (2007), 50(1), 6-9.

Preparation of amido-substituted indazoles as Rho-kinase inhibitors. By Lee, Dennis; Goodman, Krista B. From PCT Int. Appl. (2005), WO 2005082890 A1 20050909.

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