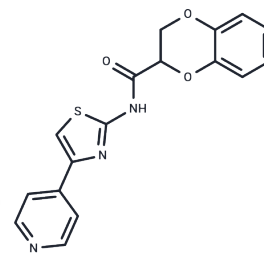


CID-5056270

Chemical Properties

CAS No. : 681173-76-2
 Formula: C₁₇H₁₃N₃O₃S
 Molecular Weight: 339.37
 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	CID-5056270 has anticancer activity and can inhibit lung cancer, anal cancer, bladder cancer, cervical cancer, vulvar cancer, penile cancer, Burkitt's lymphoma, breast cancer and bone cancer. It can be used to study hypertension, Alzheimer's disease and arteriosclerosis.
Targets(IC50)	ROCK

Solubility Information

Solubility	DMSO: 3.4 mg/mL (10.02 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	2.9466 mL	14.7332 mL	29.4664 mL
5 mM	0.5893 mL	2.9466 mL	5.8933 mL
10 mM	0.2947 mL	1.4733 mL	2.9466 mL
50 mM	0.0589 mL	0.2947 mL	0.5893 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

Pireddu R, et al. Pyridylthiazole-based ureas as inhibitors of Rho associated protein kinases (ROCK1 and 2). Medchemcomm. 2012;3(6):699-709.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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