

SKLB-163

Chemical Properties

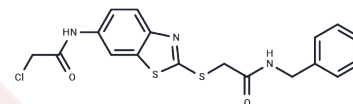
CAS No. : 1255099-06-9

Formula: C₁₈H₁₆ClN₃O₂S₂

Molecular Weight: 405.92

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	SKLB-163 acts by downregulating RhoGDI, activating JNK-1 signaling pathway and caspase-3, and reducing phosphorylated Akt and p44/42 MAPK.
Targets(IC50)	Apoptosis,MAPK,Akt,Caspase,Rho,JNK

Solubility Information

Solubility	DMSO: 247.5 mg/mL (609.73 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	2.4635 mL	12.3177 mL	24.6354 mL
5 mM	0.4927 mL	2.4635 mL	4.9271 mL
10 mM	0.2464 mL	1.2318 mL	2.4635 mL
50 mM	0.0493 mL	0.2464 mL	0.4927 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

Kohno K, Ohashi E, et al. Anti-inflammatory effects of adenosine N1-oxide. *J Inflamm (Lond)*. 2015 Jan 20;12(1):2.
 Peng XC, Chen XX, Zhang YU, Wang HJ, Feng Y. A novel inhibitor of Rho GDP-dissociation inhibitor α improves the therapeutic efficacy of paclitaxel in Lewis lung carcinoma. *Biomed Rep*. 2015 Jul;3(4):473-477. Epub 2015 May 27.
 Peng X, Xie G, Wang Z, Lin H, Zhou T, Xiang P, Jiang Y, Yang S, Wei Y, Yu L, Zhao Y. SKLB-163, a new benzothiazole-2-thiol derivative, exhibits potent anticancer activity by affecting RhoGDI/JNK-1 signaling pathway. *Cell Death Dis*. 2014 Mar 27;5:e1143.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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