

## ROCK-IN-D1

## Chemical Properties

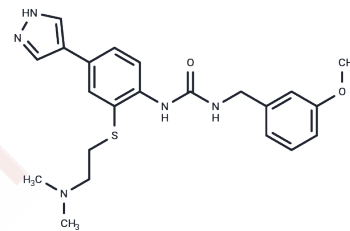
CAS No. : 1219721-73-9

Formula: C<sub>22</sub>H<sub>27</sub>N<sub>5</sub>O<sub>2</sub>S

Molecular Weight: 425.55

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	ROCK-IN-D1 is an effective and selective inhibitor of ROCK.
Targets(IC50)	Others,ROCK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3499 mL	11.7495 mL	23.499 mL
5 mM	0.470 mL	2.3499 mL	4.6998 mL
10 mM	0.235 mL	1.175 mL	2.3499 mL
50 mM	0.047 mL	0.235 mL	0.470 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

Wei J, Huang Q, Bai F, Lin J, Nie J, Lu S, Lu C, Huang R, Lu Z, Lin X. Didymin induces apoptosis through mitochondrial dysfunction and up-regulation of RKIP in human hepatoma cells. *Chem Biol Interact.* 2017 Jan 5;261:118-126. doi: 10.1016/j.cbi.2016.11.026. Epub 2016 Nov 27. PubMed PMID: 27899290.

Qiao F, Zou Z, Liu C, Zhu X, Wang X, Yang C, Jiang T, Chen Y. ROCK2 mediates the proliferation of pulmonary arterial endothelial cells induced by hypoxia in the development of pulmonary arterial hypertension. *Exp Ther Med.* 2016 Jun;11(6):2567-2572. Epub 2016 Mar 31. PubMed PMID: 27284349; PubMed Central PMCID: PMC4887771.

Jiang C, Huang H, Liu J, Wang Y, Zhao Y, Xu Z. [Effects of fasudil on bleomycin-induced pulmonary fibrosis in mice and on the biological behaviors in NIH3T3 mouse fibroblast cell line]. *Zhonghua Jie He He Hu Xi Za Zhi.* 2014 Sep; 37(9):671-6. Chinese. PubMed PMID: 25533689.

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