

## ROCK-IN-D3

## Chemical Properties

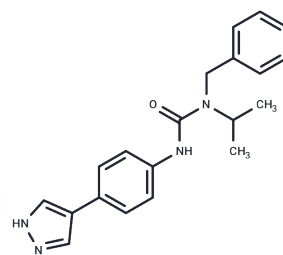
CAS No. : 1219727-16-8

Formula: C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>O

Molecular Weight: 334.41

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-D3 is an effective and selective inhibitor of ROCK.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9903 mL	14.9517 mL	29.9034 mL
5 mM	0.5981 mL	2.9903 mL	5.9807 mL
10 mM	0.299 mL	1.4952 mL	2.9903 mL
50 mM	0.0598 mL	0.299 mL	0.5981 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

Rasche L, Chavan SS, Stephens OW, Patel PH, Tytarenko R, Ashby C, Bauer M, Stein C, Deshpande S, Wardell C, Buzder T, Molnar G, Zangari M, van Rhee F, Thanendrarajan S, Schinke C, Epstein J, Davies FE, Walker BA, Meissner T, Barlogie B, Morgan GJ, Weinhold N. Spatial genomic heterogeneity in multiple myeloma revealed by multi-region sequencing. *Nat Commun.* 2017 Aug 16;8(1):268. doi: 10.1038/s41467-017-00296-y. PubMed PMID: 28814763; PubMed Central PMCID: PMC5559527.

Liu K, Sun Y, Liu D, Ye S. Inhibition of Wnt/ $\beta$ -catenin signaling by IWR1 induces expression of Foxd3 to promote mouse epiblast stem cell self-renewal. *Biochem Biophys Res Commun.* 2017 Aug 26;490(3):616-622. doi: 10.1016/j.bbrc.2017.06.086. Epub 2017 Jun 16. PubMed PMID: 28630002.

Chen Y, Huang W, Jiang W, Wu X, Ye B, Zhou X. HIV-1 Tat Regulates Occludin and A $\beta$  Transfer Receptor Expression in Brain Endothelial Cells via Rho/ROCK Signaling Pathway. *Oxid Med Cell Longev.* 2016;2016:4196572. doi: 10.1155/2016/4196572. Epub 2016 Aug 2. PubMed PMID: 27563375; PubMed Central PMCID: PMC4985576.

Paintlia AS, Paintlia MK, Hollis BW, Singh AK, Singh I. Interference with RhoA-ROCK signaling mechanism in autoreactive CD4+ T cells enhances the bioavailability of 1,25-dihydroxyvitamin D3 in experimental autoimmune encephalomyelitis. *Am J Pathol.* 2012 Sep;181(3):993-1006. doi: 10.1016/j.ajpath.2012.05.028. Epub 2012 Jul 13. PubMed PMID: 22796435; PubMed Central PMCID: PMC3432427.

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