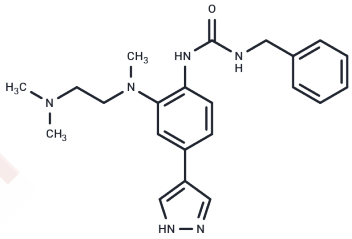
Data Sheet (Cat.No.T24724)

TargetMol

ROCK-IN-D2

Chemical Properties



CAS No. : 1219721-78-4

Formula: C22H28N6O

Molecular Weight: 392.5

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-D2 is an effective and selective inhibitor of ROCK.
Targets(IC50)	Others,ROCK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5478 mL	12.7389 mL	25.4777 mL
5 mM	0.5096 mL	2.5478 mL	5.0955 mL
10 mM	0.2548 mL	1.2739 mL	2.5478 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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

Foti RS, Pearson JT, Wong SL, Zalikowski JA, Boudreaux MD, Prokop SP, Davis JA, Banfield C, Emery MG, Rock DA, Wahlstrom JL, Wienkers LC, Amore BM. Predicting the drug interaction potential of AMG 853, a dual antagonist of the D-prostanoid and chemoattractant receptor-homologous molecule expressed on T helper 2 cells receptors. Drug Metab Dispos. 2012 Dec;40(12):2239-49. doi: 10.1124/dmd.112.047928. Epub 2012 Aug 28. PubMed PMID: 22930276.

Choi HJ, Han JS. Overexpression of phospholipase D enhances Bcl-2 expression by activating STAT3 through independent activation of ERK and p38MAPK in HeLa cells. Biochim Biophys Acta. 2012 Jun;1823(6):1082-91. doi: 10.1016/j.bbamcr.2012.03.015. Epub 2012 Apr 5. PubMed PMID: 22504301.

Phulwani NK, Feinstein DL, Gavrilyuk V, Akar C, Kielian T. 15-deoxy-Delta12,14-prostaglandin J2 (15d-PGJ2) and ciglitazone modulate Staphylococcus aureus-dependent astrocyte activation primarily through a PPAR-gamma-independent pathway. J Neurochem. 2006 Dec;99(5):1389-1402. PubMed PMID: 17074064; PubMed Central PMCID: PMC2423669.

Drew PD, Storer PD, Xu J, Chavis JA. Hormone regulation of microglial cell activation: relevance to multiple sclerosis. Brain Res Brain Res Rev. 2005 Apr;48(2):322-7. Epub 2005 Jan 19. Review. PubMed PMID: 15850670; PubMed Central PMCID: PMC2819756.

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