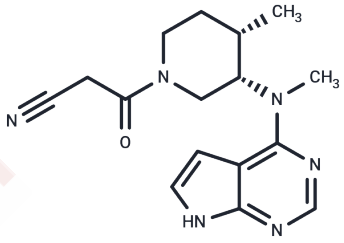
Data Sheet (Cat.No.T13426L)

TargetMol

(3S,4S)-Tofacitinib

Chemical Properties



CAS No. : 1092578-47-6

Formula: C16H20N6O

Molecular Weight: 312.37

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	(3S,4S)-Tofacitinib, a less active enantiomer of tofacitinib, is a Janus kinases inhibitor.
Targets(IC50)	Others,JAK

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2013 mL	16.0067 mL	32.0133 mL
5 mM	0.6403 mL	3.2013 mL	6.4027 mL
10 mM	0.3201 mL	1.6007 mL	3.2013 mL
50 mM	0.064 mL	0.3201 mL	0.6403 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

Jiang JK, Ghoreschi K, Deflorian F, Chen Z, Perreira M, Pesu M, Smith J, Nguyen DT, Liu EH, Leister W, Costanzi S, O'Shea JJ, Thomas CJ. Examining the chirality, conformation and selective kinase inhibition of 3-((3R,4R)-4-methyl-3-(methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)piperidin-1-y l)-3-oxopropanenitrile (CP-690,550). J Med Chem. 2008 Dec 25;51(24):8012-8. doi: 10.1021/jm801142b. PubMed PMID: 19053756; PubMed Central PMCID: PMC2660606.

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