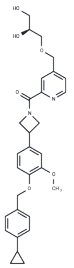
Data Sheet (Cat.No.T11729)

TargetMol

JTE-952

Chemical Properties



CAS No. : 1255303-54-8

Formula: C30H34N2O6

Molecular Weight: 518.6

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	JTE-952 is a oral, potent active and selective Type II inhibitor of colony stimulating factor-1 receptor (CSF-1R or cFMS, type III receptor tyrosine kinase), with IC50 values of 13 nM and 261 nM for CSF1R and TrkA , respectively. Effective against a mouse collagen-induced model of arthritis.
Targets(IC50)	c-Fms,Histamine Receptor
In vivo	JTE-952 treatment reduces the overall progression of the clinical score, including inflammation and bone erosion in mouse model of collagen-induced arthritis (CIA model).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9283 mL	9.6413 mL	19.2827 mL
5 mM	0.3857 mL	1.9283 mL	3.8565 mL
10 mM	0.1928 mL	0.9641 mL	1.9283 mL
50 mM	0.0386 mL	0.1928 mL	0.3857 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

Ikegashira K, et al. Optimization of an azetidine series as inhibitors of colony stimulating factor-1 receptor (CSF-1R) Type II to lead to the clinical candidate JTE-952. Bioorg Med Chem Lett. 2019 Apr 1;29(7):873-877.

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