

JH-IX-179

Chemical Properties

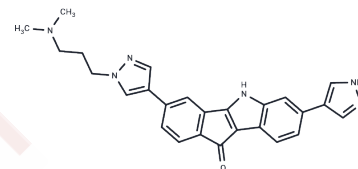
CAS No. :

Formula: C₂₆H₂₄N₆O

Molecular Weight: 436.52

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	JH-IX-179 is a novel type I ATP competitive and highly selective FLT3 inhibitor. JH-IX-179 is much more selective for FLT3 and FLT3 mutants than for Kronani. In addition, JH-IX-179 showed little human serum protein binding and effectively inhibited autophosphorylation of FLT3 and activity of downstream signaling molecules of FLT3-D835Y and FLT3-ITD.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2908 mL	11.4542 mL	22.9085 mL
5 mM	0.4582 mL	2.2908 mL	4.5817 mL
10 mM	0.2291 mL	1.1454 mL	2.2908 mL
50 mM	0.0458 mL	0.2291 mL	0.4582 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

Discovery of a Highly Potent and Selective Indenoindolone Type 1 Pan-FLT3 Inhibitor. John M. Hatcher, Ellen Weisberg, Taebo Sim, Richard M. Stone, Suiyang Liu, James D. Griffin, and Nathanael S. Gray. Publication Date (Web): March 8, 2016 (Letter). DOI: 10.1021/acsmedchemlett.5b00498

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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