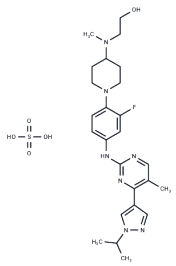
Data Sheet (Cat.No.T204180)

TargetMol

Flonoltinib sulfate

Chemical Properties



CAS No. : 2568842-57-7

Formula: C25H36FN7O5S

Molecular Weight: 565.661

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	Flonoltinib maleate is an orally active dual inhibitor of JAK2/FLT3, with IC50 values of 0.7 nM for JAK2, 4 nM for FLT3, 26 nM for JAK1, and 39 nM for JAK3. It exhibits anticancer properties.
Targets(IC50)	Apoptosis,FLT,JAK
In vitro	Flonoltinib maleate, within the range of 0.008-1 μM for 2 hours, reduces p-FLT3 levels in a dose-dependent manner [1]. Additionally, flonoltinib maleate at concentrations of 5-100 nM for 2 hours exhibits a dose-related induction of apoptosis and significantly arrests the cell cycle at the G1/G0 phase, reaching 85% at 100 nM in MV4-11 cells [1].
In vivo	Administered orally at doses of 30 and 60 mg/kg/day over a period of 14 days, Flonoltinib maleate demonstrates notable antitumor activity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7678 mL	8.8392 mL	17.6785 mL
5 mM	0.3536 mL	1.7678 mL	3.5357 mL
10 mM	0.1768 mL	0.8839 mL	1.7678 mL
50 mM	0.0354 mL	0.1768 mL	0.3536 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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