

TAK-960 dihydrochloride

Chemical Properties

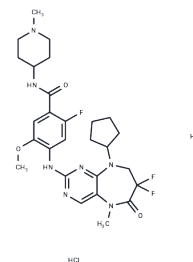
CAS No. :

Formula: C₂₇H₃₆Cl₂F₃N₇O₃

Molecular Weight: 634.52

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	TAK-960 dihydrochloride is an orally administered, selective polo-like kinase 1 (PLK1) inhibitor with a potent IC ₅₀ of 0.8 nM. It also targets PLK2 and PLK3 with IC ₅₀ values of 16.9 and 50.2 nM, respectively. This compound effectively inhibits the proliferation of a broad range of cancer cell lines and demonstrates substantial efficacy against various tumor xenografts.
Targets(IC ₅₀)	Others,PLK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.576 mL	7.880 mL	15.7599 mL
5 mM	0.3152 mL	1.576 mL	3.152 mL
10 mM	0.1576 mL	0.788 mL	1.576 mL
50 mM	0.0315 mL	0.1576 mL	0.3152 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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