

Tubulin polymerization-IN-72

Chemical Properties

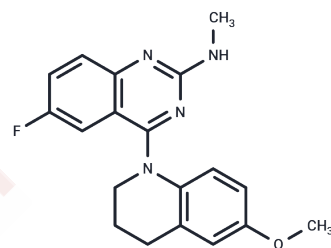
CAS No. :

Formula: C19H19FN4O

Molecular Weight: 338.379

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	Tubulin polymerization-IN-72 (Compound 4a4) is a microtubule synthesis inhibitor with anticancer properties. By binding to the colchicine site, it disrupts the polymerization of tubulin, resulting in the arrest of cancer cells at the G2/M phase and inducing apoptosis (Apoptosis). The IC50 for its activity against cancer cells is 0.4-2.7 nM.
Targets(IC50)	Apoptosis, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9553 mL	14.7763 mL	29.5526 mL
5 mM	0.5911 mL	2.9553 mL	5.9105 mL
10 mM	0.2955 mL	1.4776 mL	2.9553 mL
50 mM	0.0591 mL	0.2955 mL	0.5911 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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