

Tubulin polymerization-IN-70

Chemical Properties

CAS No. :

Formula: C₂₅H₂₃N₃O₂

Molecular Weight: 397.47

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-70 (compound Q19) is an effective inhibitor of tubulin polymerization. This compound exerts antiproliferative properties by targeting the colchicine binding site on tubulin, thereby inhibiting its polymerization. Tubulin polymerization-IN-70 also induces apoptosis and cell cycle arrest at the G2/M phase. Additionally, it triggers a decrease in mitochondrial membrane potential and elevates levels of reactive oxygen species (ROS). Moreover, Tubulin polymerization-IN-70 possesses anti-angiogenic and anticancer activities.
Targets(IC50)	Apoptosis,Reactive Oxygen Species,Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5159 mL	12.5796 mL	25.1591 mL
5 mM	0.5032 mL	2.5159 mL	5.0318 mL
10 mM	0.2516 mL	1.258 mL	2.5159 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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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