

Tubulin polymerization-IN-73

Chemical Properties

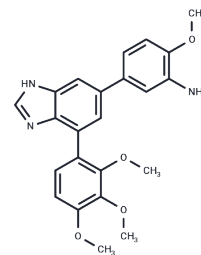
CAS No. :

Formula: C₂₃H₂₃N₃O₄

Molecular Weight: 405.446

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-73 (Compound 37) is an inhibitor of microtubule polymerization with an IC ₅₀ of 1.8 μM. It induces cell cycle arrest at the G ₂ /M phase and triggers apoptosis in A549 cells. The compound inhibits the proliferation of both A549 WT and A549/T resistant cells with IC ₅₀ values of 0.023 μM and 0.057 μM, respectively. Additionally, Tubulin polymerization-IN-73 demonstrates antitumor activity in mouse models.
Targets(IC ₅₀)	Apoptosis, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4664 mL	12.332 mL	24.664 mL
5 mM	0.4933 mL	2.4664 mL	4.9328 mL
10 mM	0.2466 mL	1.2332 mL	2.4664 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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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