

Tubulin polymerization-IN-48

Chemical Properties

CAS No. :

Formula: C₂₀H₁₅Cl₂N₃O

Molecular Weight: 384.26

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-48 (Compound 4k) is a tubulin polymerization inhibitor that moderately disrupts the microtubule network and impedes the proliferation of neuroblastoma cancer cells, with IC ₅₀ values of 79 nM and 165 nM for the Chp-134 and Kelly cell lines, respectively [1].
Targets(IC ₅₀)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6024 mL	13.012 mL	26.024 mL
5 mM	0.5205 mL	2.6024 mL	5.2048 mL
10 mM	0.2602 mL	1.3012 mL	2.6024 mL
50 mM	0.052 mL	0.2602 mL	0.5205 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.

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