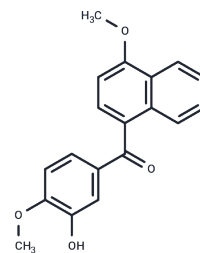


Tubulin polymerization-IN-22

Chemical Properties

CAS No. :	2493052-22-3
Formula:	C ₁₉ H ₁₆ O ₄
Molecular Weight:	308.33
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-22 arrests cell cycle at G2/M phase as well as induces apoptosis. Tubulin polymerization-IN-22 is an inhibitor of tubulin polymerization (IC ₅₀ = 8.1 μM) [1].
Targets(IC ₅₀)	Apoptosis,Others,Microtubule Associated
In vitro	Tubulin polymerization-IN-22 (Compound 4u) demonstrates antiproliferative effects on the human breast cancer cell line (MCF-7) with an IC ₅₀ of 1.47 μM [1], by inhibiting tubulin polymerization through targeting the Colchicine binding site [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2433 mL	16.2164 mL	32.4328 mL
5 mM	0.6487 mL	3.2433 mL	6.4866 mL
10 mM	0.3243 mL	1.6216 mL	3.2433 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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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