

## Tubulin inhibitor 38

## Chemical Properties

CAS No. :

Formula: C<sub>17</sub>H<sub>13</sub>ClN<sub>6</sub>O<sub>5</sub>

Molecular Weight: 384.84

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 Inhibitor 38 (Compound 14), a tetrazole-based agent, demonstrates significant antiproliferative effects by inducing mitotic arrest and blocking the cell cycle at the G2/M phase, ultimately triggering apoptosis. Administered at 100 nM for 24 hours, it shows considerable cytotoxicity and selectivity within HeLa, MCF7, and U87 MG cell lines [1].
Targets(IC50)	Others, Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5985 mL	12.9924 mL	25.9848 mL
5 mM	0.5197 mL	2.5985 mL	5.197 mL
10 mM	0.2598 mL	1.2992 mL	2.5985 mL
50 mM	0.052 mL	0.2598 mL	0.5197 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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