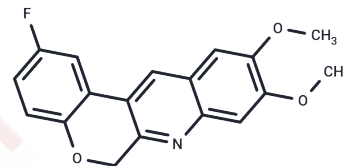


## Topoisomerase I inhibitor 3

## Chemical Properties

CAS No. :	2588211-50-9
Formula:	C <sub>18</sub> H <sub>14</sub> FNO <sub>3</sub>
Molecular Weight:	311.31
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	Topoisomerase I (Compound ZML-14) inhibitor 3 induces HepG2 cell apoptosis and arrests cell cycle at G2/M phase. Topoisomerase I inhibitor 3 is an inhibitor of topoisomerase I that interact with topoisomerase I-DNA complex [1].
Targets(IC50)	Apoptosis,Others,Topoisomerase
In vitro	Topoisomerase I inhibitor 3 (Compound ZML-14) exhibits cytotoxic effects with IC50 values of 1.94 ± 0.09 μM for HepG2, 10.32 ± 0.39 μM for A2780, 13.1 ± 0.96 μM for HeLa, 40.69 ± 5.36 μM for HCT116, 28.11 ± 2.50 μM for SW1990, >100 μM for MCF7, and 37.42 ± 2.05 μM for L-02 cells, respectively [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2122 mL	16.0612 mL	32.1223 mL
5 mM	0.6424 mL	3.2122 mL	6.4245 mL
10 mM	0.3212 mL	1.6061 mL	3.2122 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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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