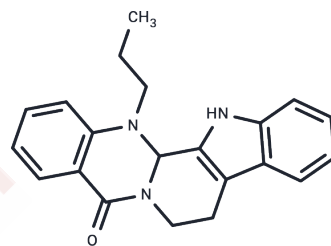


## Tubulin inhibitor 35

## Chemical Properties

CAS No. :	2247047-77-2
Formula:	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O
Molecular Weight:	331.41
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Tubulin inhibitor 35 (Tubulin IN 35) is a potent dual inhibitor of topoisomerase I and microtubule protein polymerization with antitumor activity, inhibits migration and invasion of MGC-803 and RKO cell lines, interrupts the cell cycle and induces apoptosis.
Targets(IC50)	Apoptosis, Microtubule Associated, Topoisomerase

## Solubility Information

Solubility	DMSO: 50 mg/mL (150.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0174 mL	15.0871 mL	30.1741 mL
5 mM	0.6035 mL	3.0174 mL	6.0348 mL
10 mM	0.3017 mL	1.5087 mL	3.0174 mL
50 mM	0.0603 mL	0.3017 mL	0.6035 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.

## Reference

Deng J, et al. N(14)-substituted evodiamine derivatives as dual topoisomerase I/tubulin-inhibiting anti-gastrointestinal tumor agents. Eur J Med Chem. 2023 Jul 5;255:115366.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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