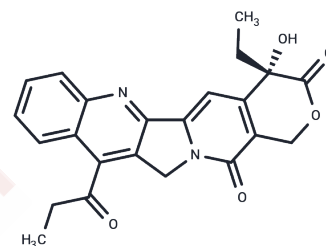


XSJ110

## Chemical Properties

CAS No. : 203923-65-3  
 Formula: C<sub>23</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>  
 Molecular Weight: 404.42  
 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	XSJ110 is a potent irreversible inhibitor of topoisomerase I (Topo I) with an IC <sub>50</sub> value of 0.133 μM. It halts the topoisomerization process of DNA, leading to double-strand breaks and inducing cell cycle arrest in the G <sub>0</sub> /G <sub>1</sub> phase, ultimately causing apoptosis in tumor cells. XSJ110 shows potential for research in ampullary carcinoma (AC).
Targets(IC <sub>50</sub> )	Apoptosis, Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4727 mL	12.3634 mL	24.7268 mL
5 mM	0.4945 mL	2.4727 mL	4.9454 mL
10 mM	0.2473 mL	1.2363 mL	2.4727 mL
50 mM	0.0495 mL	0.2473 mL	0.4945 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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