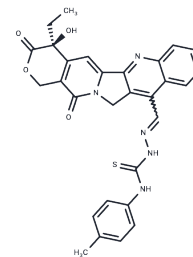


XSJ05

## Chemical Properties

CAS No. : 1461652-87-8  
 Formula: C<sub>29</sub>H<sub>25</sub>N<sub>5</sub>O<sub>4</sub>S  
 Molecular Weight: 539.60  
 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	XSJ05, a derivative of camptothecin (CPT), exhibits anti-cancer activity by inhibiting topoisomerase I (Topo I). This compound induces DNA double-strand breaks, leading to DNA damage. Furthermore, XSJ05 stifles the growth of colorectal cancer (CRC), halts the cell cycle in the G2/M phase, and induces apoptosis.
Targets(IC50)	Apoptosis, Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8532 mL	9.2661 mL	18.5322 mL
5 mM	0.3706 mL	1.8532 mL	3.7064 mL
10 mM	0.1853 mL	0.9266 mL	1.8532 mL
50 mM	0.0371 mL	0.1853 mL	0.3706 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481