

## Topoisomerase I/II inhibitor 6

## Chemical Properties

CAS No. :

Formula: C<sub>31</sub>H<sub>28</sub>F<sub>2</sub>N<sub>4</sub>O<sub>6</sub>S

Molecular Weight: 622.64

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/II inhibitor 6 (compound 3i) acts as an effective inhibitor of topoisomerase I and II, with IC <sub>50</sub> values of 4.77 μM and 15 μM, respectively. Additionally, it exhibits antiproliferative activity against the human melanoma cell line LOX IMVI, demonstrating IC <sub>50</sub> values of 26.7 μM and 25.4 μM.
Targets(IC <sub>50</sub> )	Apoptosis, Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6061 mL	8.0303 mL	16.0606 mL
5 mM	0.3212 mL	1.6061 mL	3.2121 mL
10 mM	0.1606 mL	0.803 mL	1.6061 mL
50 mM	0.0321 mL	0.1606 mL	0.3212 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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