

## Topoisomerase I inhibitor 14

## Chemical Properties

CAS No. :

Formula: C<sub>28</sub>H<sub>29</sub>N<sub>9</sub>O<sub>2</sub>S

Molecular Weight:

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 inhibitor 14 (Compound 4h) acts as an inhibitor of topoisomerase I. It suppresses the proliferation of A549 and C6 cells, with IC <sub>50</sub> values of 4.56 μM and 13.17 μM, respectively. The compound shows no significant toxicity towards healthy NIH3T3 cells (IC <sub>50</sub> of 74.44 μM) and demonstrates anticancer activity. |
| Targets(IC <sub>50</sub> ) | Topoisomerase  |

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