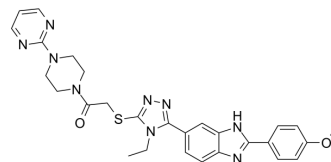


## Topoisomerase I inhibitor 14

Cat. No.:	HY-162342
Molecular Formula:	C <sub>28</sub> H <sub>29</sub> N <sub>9</sub> O <sub>2</sub> S
Molecular Weight:	555.65
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Topoisomerase I inhibitor 14 (Compound 4h) is an inhibitor for Topoisomerase I. Topoisomerase I inhibitor 14 inhibits proliferation of A549 and C6 with IC<sub>50</sub>s of 4.56 μM and 13.17 μM, without significant toxicity in healthy cells NIH3T3 (IC<sub>50</sub> is 74.44 μM), which exhibits anticancer potency<sup>[1]</sup>.

### REFERENCES

[1]. Çevik UA, et al., New Benzimidazole-Triazole Derivatives as Topoisomerase I Inhibitors: Design, Synthesis, Anticancer Screening, and Molecular Modeling Studies. ACS Omega. 2024 Mar 6;9(11):13359-13372.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA