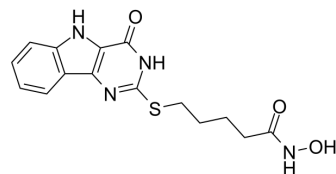


## Topo II/HDAC-IN-1

Cat. No.:	HY-149238
CAS No.:	2922269-18-7
Molecular Formula:	C <sub>15</sub> H <sub>16</sub> N <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	332.38
Target:	Topoisomerase; HDAC; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Topo II/HDAC-IN-1 (7d) exhibits excellent dual inhibitory activities against Topo II and HDAC. Topo II/HDAC-IN-1 (8d) induces apoptosis <sup>[1]</sup> .
<b>In Vitro</b>	Topo II/HDAC-IN-1 (7d) has the best inhibitory activity against MGC-803 and MCF-7, with IC <sub>50</sub> values of 9.59 μM and 13.43 μM respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mengmiao Zhao, et al. Design, synthesis and biological evaluation of dual Topo II/HDAC inhibitors bearing pyrimido[5,4-b]indole and pyrazolo[3,4-d]pyrimidine motifs. *Eur J Med Chem.* 2023 Apr 5;252:115303.

**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