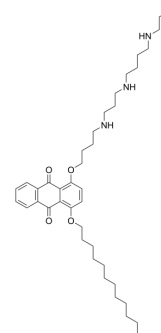


Topoisomerase II inhibitor 12

Cat. No.:	HY-147877
CAS No.:	2304527-20-4
Molecular Formula:	C ₄₀ H ₆₃ N ₃ O ₄
Molecular Weight:	649.95
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 II inhibitor 12 (Compound 8c) is a topoisomerase II (topo II) inhibitor, working as a DNA non-intercalator. Topoisomerase II inhibitor 12 shows antineoplastic activity ^[1] .
In Vitro	Topoisomerase II inhibitor 12 (Compound 8c) shows anti-proliferative activities with IC ₅₀ values of 8.80 ± 0.12, 7.13 ± 0.20, 6.56 ± 0.15, 10.99 ± 0.23, 10.71 ± 0.03 and 13.27 ± 0.32 μM against HepG2, HCT116, MDA-MB-231, HeLa, K562 and PDLSC cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xie XW, et al. Design, synthesis, bioevaluation of LFC- and PA-tethered anthraquinone analogues of mitoxantrone. *Bioorg Chem.* 2020 Aug;101:104005.

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

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