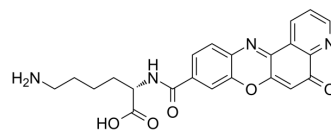


Topoisomerase II α -IN-1

Cat. No.:	HY-146020
CAS No.:	2407521-87-1
Molecular Formula:	C ₂₂ H ₂₀ N ₄ O ₅
Molecular Weight:	420.42
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 α -IN-1 (compound 2) is a potent DNA-binding ligands and topoisomerase II α inhibitor. Topoisomerase II α -IN-1 exhibits high antiproliferative activity against human cancer cell lines ^[1] .	
IC₅₀ & Target	topoisomerase II alpha	topoisomerase II beta
In Vitro	Topoisomerase II α -IN-1 (compound 2) shows antiproliferative activity in cancer cell lines (CCRF-CEM, CCRF-SB, MT-4, HT-29, MCF-7, HeLa, ACHN, SKMEL-28, and G-361), with IC ₅₀ values of 0.02, 0.02, 0.01, 0.003, 0.007, 0.005, 0.008, 0.002, and 0.001 μ M, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Pedatella S, et al. Antitumor agents 7. Synthesis, antiproliferative activity and molecular modeling of new l-lysine-conjugated pyridophenoxazinones as potent DNA-binding ligands and topoisomerase II α inhibitors. Eur J Med Chem. 2020 Feb 1;187:111960.

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

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