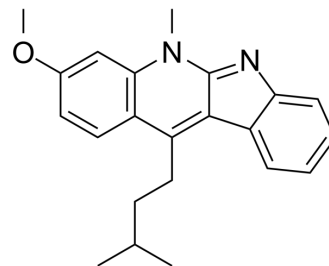


Anticancer agent 75

Cat. No.:	HY-147971
CAS No.:	2414491-13-5
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O
Molecular Weight:	332.44
Target:	Parasite; Topoisomerase
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 75 is a potent anticancer agent. Anticancer agent 75 shows cytotoxicity and selectivity in cancer cell lines. Anticancer agent 75 shows cytotoxicity to normal human kidney cell lines is at least 35 times lower than that of the Doxorubicin standard. Anticancer agent 75 shows good activity of antiplasmodial ^[1] .	
IC₅₀ & Target	Plasmodium	Topoisomerase II
In Vitro	Anticancer agent 75 (Compounds 3h) shows good anticancer activity and at least 35 times less toxic than Doxorubicin ^[1] . Anticancer agent 75 (Compounds 3h) inhibits cancer cell growth with IC ₅₀ values of 333.83 μM, 13.39 μM, 15.31 μM, 15.58 μM, and 4.90 μM for HEK-293, HuCCA-1, A549, HepG2, and MOLT-3, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Bhornrawin Akkachairin, et al. Synthesis of Neocryptolepines and Carbocycle-Fused Quinolines and Evaluation of Their Anticancer and Antiplasmodial Activities. Journal Pre-proofs. 2020, 98: 103732.

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

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