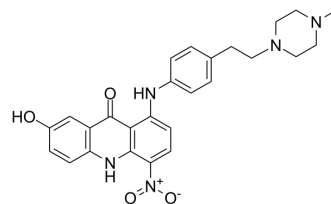


Topoisomerase II inhibitor 5

Cat. No.:	HY-143281
Molecular Formula:	C ₂₆ H ₂₇ N ₅ O ₄
Molecular Weight:	473.52
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 5 (Compound E24) is a DNA topoisomerase II inhibitor with anticancer activities ^[1] .	
IC₅₀ & Target	Topoisomerase II	
In Vitro	Topoisomerase II inhibitor 5 (Compound E24) (0-20 μM, 72 h) shows antiproliferative activities against cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay ^[1]	
	Cell Line:	SW480, HCT116 and HeLa
	Concentration:	0-20 μM
	Incubation Time:	72 h
	Result:	Shown antiproliferative activities with IC ₅₀ values of 1.2 ± 0.3, 0.7 ± 0.05 and 1.2 ± 0.04 μM against SW480, HCT116 and HeLa cells, respectively.

REFERENCES

[1]. Chen JN, et al. Structure-activity relationship of novel acridone derivatives as antiproliferative agents. *Bioorg Med Chem*. 2021 Jan 1;29:115868.

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