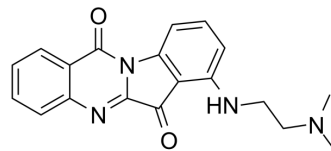


Topoisomerase II inhibitor 6

Cat. No.:	HY-146316
Molecular Formula:	C ₁₉ H ₁₈ N ₄ O ₂
Molecular Weight:	334.37
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 6 (Compound 5), a tryptanthrin derivative, is a potent and selective inhibitor of topoisomerase II. Topoisomerase II inhibitor 6 exhibits antiproliferative activity on different tumor cell lines. Topoisomerase II inhibitor 6 blocks the cell cycle of CCRF-CEM in the G2 phase and induces DNA DSB. Topoisomerase II inhibitor 6 has the potential for the research of cancer diseases^[1].

REFERENCES

[1]. Catanzaro E, et al. Targeting topoisomerase II with tryptanthrin derivatives: Discovery of 7-((2-(dimethylamino)ethyl)amino)indolo[2,1-b]quinazolin-6,12-dione as an antiproliferative agent and to treat cancer. *Eur J Med Chem.* 2020 Sep 15;202:112504.

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

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