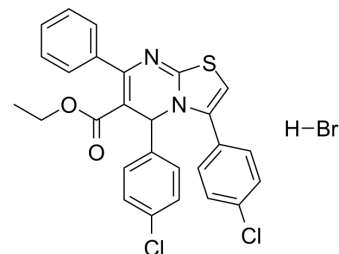


Topoisomerase II inhibitor 11

Cat. No.:	HY-147861
CAS No.:	2476559-00-7
Molecular Formula:	C ₂₇ H ₂₁ BrCl ₂ N ₂ O ₂ S
Molecular Weight:	588.34
Target:	Topoisomerase; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Topoisomerase II inhibitor 11 (compound 3d) is a potent Topoisomerase II inhibitor, with an IC ₅₀ of 2.89 μM. Topoisomerase II inhibitor 11 shows 92.46% inhibition on renal cancer cell line A498 with an IC ₅₀ of 3.5 μM. Topoisomerase II inhibitor 11 causes cell cycle arrest at the G2/M phase leading to cell proliferation inhibition and pro-apoptotic activity ^[1] .
IC₅₀ & Target	Topoisomerase II 2.89 μM (IC ₅₀)

REFERENCES

[1]. Nemr MTM, et al. New fused pyrimidine derivatives with anticancer activity: Synthesis, topoisomerase II inhibition, apoptotic inducing activity and molecular modeling study. *Bioorg Chem.* 2020 Oct;103:104134.

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

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