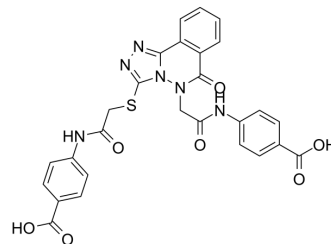


Topoisomerase II inhibitor 10

Cat. No.:	HY-147839
CAS No.:	2488208-96-2
Molecular Formula:	C ₂₇ H ₂₀ N ₆ O ₇ S
Molecular Weight:	572.55
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 10 (compound 32a) is a potent topoisomerase II inhibitor with an IC ₅₀ value of 7.45 μM. Topoisomerase II inhibitor 10 causes cell cycle arrest at G2-M phase and induces apoptosis of HepG-2 cells. Topoisomerase II inhibitor 10 has excellent anti-proliferative activities against HepG-2, MCF-7, and HCT-116 cells ^[1] .
IC₅₀ & Target	Topoisomerase II 7.45 μM (IC ₅₀)

REFERENCES

[1]. El-Helby AA, et al. Design, synthesis, molecular modeling, in vivo studies and anticancer activity evaluation of new phthalazine derivatives as potential DNA intercalators and topoisomerase II inhibitors. *Bioorg Chem.* 2020 Oct;103:104233.

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

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