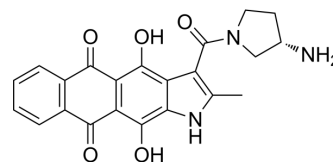


Topoisomerase I inhibitor 7

Cat. No.:	HY-146497
CAS No.:	2408639-81-4
Molecular Formula:	C ₂₂ H ₁₉ N ₃ O ₅
Molecular Weight:	405.4
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 I inhibitor 7 (Compound 8) is a potent inhibitor of Topoisomerase I. Topoisomerase I inhibitor 7 significantly inhibits tumor growth (up to 79%) and increases the lifespan (153%) of mice bearing P388 lymphoma transplants. Topoisomerase I inhibitor 7 indicates prospects for further search of new antitumor agent candidates among the heteroarene-fused anthraquinones^[1].

REFERENCES

[1]. Tikhomirov AS, et al. Amides of pyrrole- and thiophene-fused anthraquinone derivatives: A role of the heterocyclic core in antitumor properties. *Eur J Med Chem.* 2020 Aug 1;199:112294.

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

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