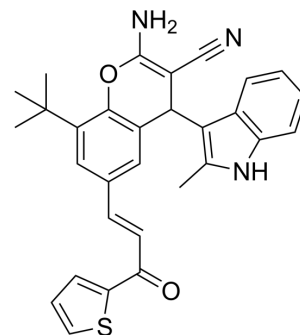


DNA relaxation-IN-1

Cat. No.:	HY-161152
CAS No.:	2190506-29-5
Molecular Formula:	C ₃₀ H ₂₇ N ₃ O ₂ S
Molecular Weight:	493.62
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DNA relaxation-IN-1 (compound 27) is a DNA Ligase 1 (DNA Lig1) inhibitor, which inhibits DNA ligation and disrupts Lig I's DNA relaxation activity. DNA relaxation-IN-1 combined with Topotecan (HY-13768) exhibits a synergistic antiproliferative effect on colorectal cancer cells^[1].

REFERENCES

[1]. Maurya P, et al. Synergy between human DNA ligase I and topoisomerase 1 unveils new therapeutic strategy for the management of colorectal cancer. J Biomol Struct Dyn. 2024 Jan 5:1-16.

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

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