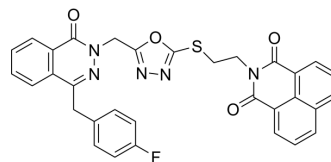


DiPT-4

Cat. No.:	HY-149348
Molecular Formula:	C ₃₂ H ₂₂ FN ₅ O ₄ S
Molecular Weight:	591.61
Target:	Topoisomerase; PARP; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DiPT-4 is a dual TOP1/PARP1 inhibitor that induces massive DNA double-strand breaks (DSBs), cell cycle arrest, and apoptosis in cancer cells. DiPT-4 has the potential to overcome cancer drug resistance^[1].

REFERENCES

[1]. Guha Majumdar A, et al. Design, synthesis and development of a dual inhibitor of Topoisomerase 1 and poly (ADP-ribose) polymerase 1 for efficient killing of cancer cells. *Eur J Med Chem.* 2023 Oct 5;258:115598.

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

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