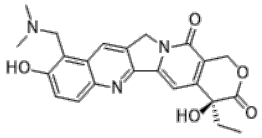
ProbeChem®
Expedite Your Scientific Research

Data Sheet

WWW.PROBECHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Topotecan
Cat. No.	:	PC-28736
CAS No.	:	123948-87-8
Molecular Formula	:	$C_{23}H_{23}N_3O_5$
Molecular Weight	:	421.45
Target	:	Topoisomerase
Solubility	:	10 mM in DMSO



Biological Activity

Topotecan is (SKF104864A, NSC 609669) is an orally active topoisomerase I (TOP1) inhibitor, induces cell cycle arrest in G0/G1 and S phases and promotes apoptosis in mutiple cancer cells, also inhibits preribosomal subunit formation via binding to RPL15, activates STING-mediated antitumor immune responses.

References

Zhang FL, et al. PLoS One. 2013 Nov 26;8(11):e81815.

Yamada S, et al. J Immunol. 2022 Jul 1;209(1):171-179.

Kumar S, et al. Clin Cancer Res. 2011 Sep 1;17(17):5656-67.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com