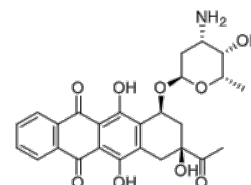


Product Name : Idarubicin
Cat. No. : PC-63054
CAS No. : 58957-92-9
Molecular Formula : C₂₆H₂₇NO₉
Molecular Weight : 497.494
Target : Topoisomerase
Solubility : 10 mM in DMSO



Biological Activity

Idarubicin (4-Demethoxydaunorubicin) is an anthracycline antileukemic that inserts into DNA and prevents DNA unwinding by interfering with the enzyme **Topoisomerase II** in cancer cells.

Idarubicin inhibits the proliferation of MCF-7 cells with IC₅₀ of 0.1 μM.

Idarubicin also induces histone eviction from chromatin.

References

Gewirtz DA, et al. Cancer Chemother Pharmacol. 1998;41(5):361-9.

Pang B, et al. Nat Commun. 2013;4:1908.

Nitiss JL. Nat Rev Cancer. 2009 May;9(5):338-50.

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

E-mail: tech@probechem.com