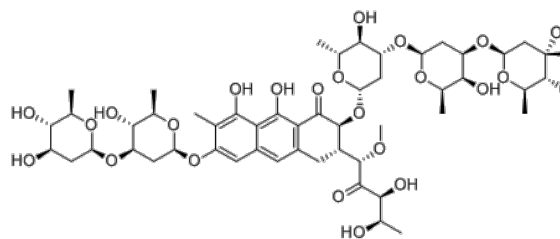


Product Name : Mithramycin A
Cat. No. : PC-61350
CAS No. : 18378-89-7
Molecular Formula : C₅₂H₇₆O₂₄
Molecular Weight : 1085
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

Mithramycin A (Plicamycin, PA 144, NSC 24559) is a tricyclic pentaglycosidic, antineoplastic antibiotic from *Streptomyces* strains that inhibits RNA and protein synthesis by adhering to DNA.

Mithramycin A binds to the minor groove of DNA at GC-rich sites, induces cancer cell apoptosis and metastasis.

References

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Lee TJ, et al. *Mol Cancer Ther*. 2006 Nov;5(11):2737-46.

Majee S, et al. *Biochem Pharmacol*. 1999 May 1;57(9):981-7.

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

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