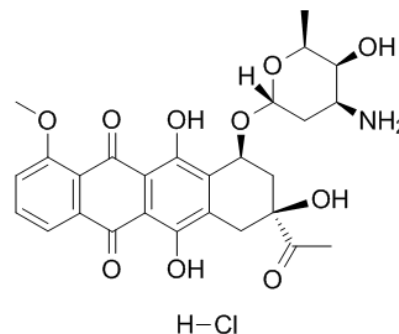


Product Name : Daunorubicin hydrochloride
Cat. No. : PC-43366
CAS No. : 23541-50-6
Molecular Formula : C₂₇H₃₀ClNO₁₀
Molecular Weight : 563.9808
Target : ADC Cytotoxin
Solubility : H₂O: ≥ 34 mg/mL



Biological Activity

Daunorubicin (RP13057) hydrochloride is potent topoisomerase II (**Topo II**) inhibitor, interacts with DNA by intercalation and inhibition of macromolecular biosynthesis in cancer cells.

Daunorubicin is a chemotherapy agent used to treat multiple cancer, specifically used for acute myeloid leukemia (AML), acute lymphocytic leukemia (ALL), chronic myelogenous leukemia (CML), and Kaposi's sarcoma.

Daunorubicin and its derivatives are widely used as payloads in antibody-drug conjugates (ADCs).

References

Latif ZA, et al. Cancer. 1980 Mar 15;45(6):1326-33.

Hurwitz E, et al. Int J Cancer. 1979 Oct 15;24(4):461-70.

Aboud-Pirak E, et al. Proc Natl Acad Sci U S A. 1989 May;86(10):3778-81.

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

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