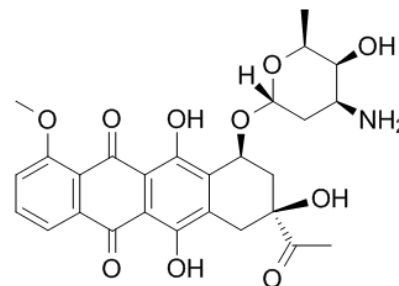


**Product Name** : Daunorubicin  
**Cat. No.** : PC-43367  
**CAS No.** : 20830-81-3  
**Molecular Formula** : C<sub>27</sub>H<sub>29</sub>NO<sub>10</sub>  
**Molecular Weight** : 527.5198  
**Target** : ADC Cytotoxin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Daunorubicin 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).  
Chemotherapeutic Agents  
Approved

## 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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