

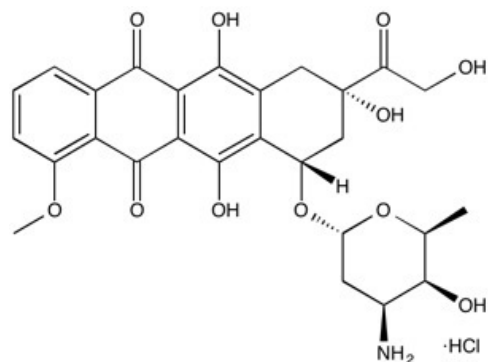
## Doxorubicin HCl, DNA damaging agent

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Catalog	Unit
TBI2130-10MG	10 mg
TBI2130-50MG	50 mg

### Product Details

**Alternate Names:** Adriamycin; NSC-123127  
**Molecular Formula:** C<sub>27</sub>H<sub>29</sub>NO<sub>11</sub> · HCl  
**Formula Weight:** 580  
**CAS Number:** 25316-40-9  
**Purity:** >98%  
**Formulation:** Powder  
**Solubility:** Soluble in Water (up to 25 mg/ml)  
**Storage:** -20°C  
**Stability:** ≥ 1 year.



### Applications

DNA damaging agent

### Functions

Antitumor antibiotic. Induces DNA damage by intercalation and inhibition of topoisomerase II. Induces apoptosis in a variety of cell lines. Substrate for MDR1. Cell permeable.

### Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 3 months.

**For research use only.**