

Epirubicin HCl, DNA damaging agent

Catalog	Unit
TBI2761-5MG	5 mg
TBI2761-25MG	25 mg

Product Details

Formal Name: 4'-Epidoxorubicin

Molecular Formula: C₂₇H₂₉NO₁₁ · HCl

Formula Weight: 579.99

CAS Number: 56390-09-1

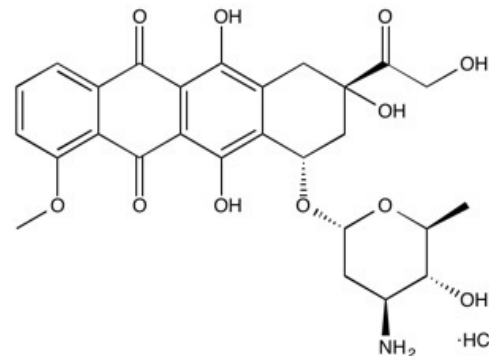
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml), or in Water (up to 5 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

DNA damaging agent

Functions

Antitumor agent. Inhibits topoisomerase II. Induces DNA damage by a number of different mechanisms including intercalation, free radical-mediated oxidation, crosslinking, interference with DNA unwinding, strand separation and helicase activity. Induces myocardial dysfunction as a side effect to chemotherapy.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), or in Water (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 3 months.

For research use only.