Doxorubicin . HCl

Topoisomerase inhibitor

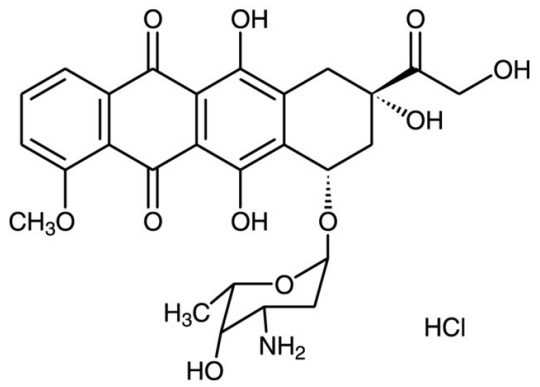
A broad spectrum antitumor agent. Induces DNA damage by intercalating into DNA and inhibiting topoisomerase II. Binds covalently to DNA. Inhbibits reverse transcriptase, RNA polymerase and the catalytic activity of Dnmt1. Immunosuppressive. Antineoplastic. Induces apoptosis. Down regulates c-myc and c-jun in doxorubicin-sensitive cells.

Citations: 27 View Online »

Ordering Information Order Online »

BML-GR319-0005	5mg
BML-GR319-0025	25mg

Manuals, SDS & CofA View Online »


O
OH
O
OH
OH
CH3O
O
OH
O
O
H3C
NH2
HO
HCl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at room temperature. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	DXR . HCl, 14-Hydroxydaunomycin . HCl, Adriamycin . HCl
Appearance	Red solid.
CAS	25316-40-9
Couple Target	c-Jun, c-Myc, DNA, Dnmt, Reverse transcriptase, Topoisomerase
Couple Type	Inhibitor, Ligand
Formula	$C_{27}H_{29}NO_{11}$. HCl
MI	**14:** 3439
MW	580.0
Purity	≥95% (HPLC)
RTECS	QI9295900
Solubility	Soluble in water.

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