Mitoxantrone . dihydrochloride

DNA intercalator and Topoisomerase II inhibitor

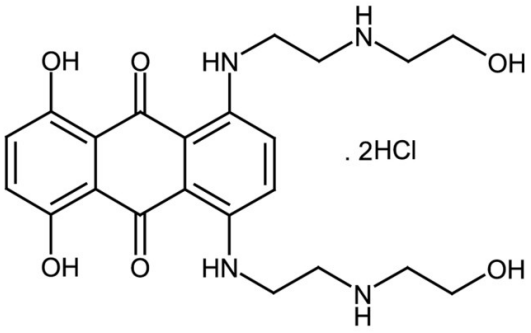
Antiviral, antibacterial, antiprotozoal, immunomodulating, and antineoplastic cytostatic anthraquinone derivative. Induces DNA damage by intercalating into DNA and inhibiting topoisomerase II. Induces interstrand DNA cross-links and DNA-protein cross-links in cellular systems. Has been shown to be an inhibitor of DNA methylation.

Citations: 7 View Online »

Ordering Information Order Online »

ALX-400-050-M010	10mg
ALX-400-050-M050	50mg

Manuals, SDS & CofA View Online »


OH
O
HN
H
N
OH
. 2HCl
OH
O
HN
N
H
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione . dihydrochloride
Appearance	Blue to black crystalline solid.
CAS	70476-82-3
Couple Target	Topoisomerase
Couple Type	Inhibitor
Formula	$C_{22}H_{28}N_4O_6$. 2HCl
Identity	Determined by IR.
MI	**14:** 6217
MW	444.5 . 73.0
Purity	≥97% (Assay)
RTECS	CB5748500
Solubility	Soluble in water; slightly soluble in 100% ethanol or methanol; insoluble in acetonitrile or acetone.
Source	Synthetic.

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