

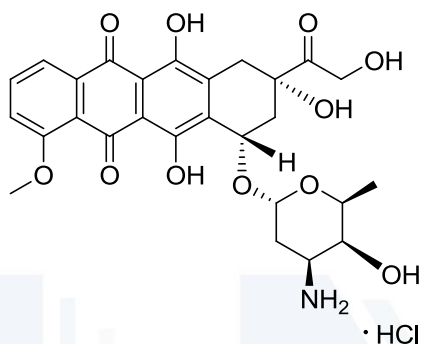


Northeast Business Center

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Certificate of Analysis



Product Name:	Doxorubicin, HCl salt
Synonym	Adriamycin, Hydroxydaunorubicin
CAS No:	[23214-92-8]
Prod. No:	CT-DOXO
Lot No:	02
Molecular Formula	$\text{C}_{27}\text{H}_{29}\text{NO}_{11} \cdot \text{HCl} \cdot 0.5\text{H}_2\text{O}$
Molecular Weight	589.0
Solubility	Soluble in water (23.6mg/ml, 40mM)
Storage	Store at 0 °C, desiccated
Appearance	Orange red powder
Quality Control	^1H NMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] $\text{C}_{27}\text{H}_{29}\text{NO}_{11} \cdot \text{HCl} \cdot 0.5\text{H}_2\text{O}$ Calculated: C: 55.06%; H: 5.30%; N: 2.38% Found: C: 55.24%; H: 5.30%; N: 2.31%
Purity	>99% (HPLC)