

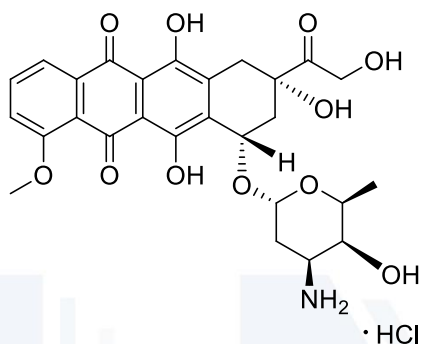


Northeast Business Center

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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:	03
Batch Empirical Formula Batch Empirical Wt.	$\text{C}_{27}\text{H}_{29}\text{NO}_{11} \cdot \text{HCl}$ 580.0
Solubility	Soluble in water (29.0mg/ml, 50mM)
Storage	Store at 0 °C (short term), - 20 °C (long term), desiccated
Appearance	Orange red powder
Quality Control	NMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] $\text{C}_{27}\text{H}_{29}\text{NO}_{11} \cdot \text{HCl}$ Calculated: C: 55.91%; H: 5.21%; N: 2.42% Found: C: 55.68%; H: 5.26%; N: 2.53%
Purity	>99% (HPLC)