

# Chem-Impex International, Inc.

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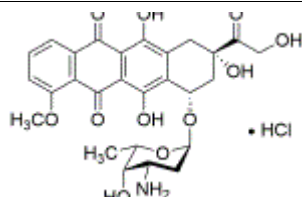
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

<b>Catalogue Number</b>	22133
<b>Product</b>	<b>Doxorubicin hydrochloride</b> Hydroxydaunorubicin hydrochloride Adriamycin hydrochloride
<b>CAS Number</b>	25316-40-9
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>29</sub> NO <sub>11</sub> •HCl
<b>Molecular Weight</b>	579.98

<b>Appearance</b>	Orange-red or red crystalline powder
<b>Solubility</b>	Soluble in water and methanol, slightly soluble in ethanol, practically insoluble in acetone
<b>Crystallinity</b>	Meets the requirement
<b>Water Content (Karl Fisher)</b>	≤ 4%
<b>pH</b>	4.0 - 5.5
<b>Optical Rotation</b>	+248° to +290°
<b>Residual Solvents</b>	Acetone : ≤ 0.5% Total of Acetone and alcohol : ≤ 2.5%
<b>Bacterial Endotoxins</b>	≤ 2.0 U/mg
<b>Related Substances</b>	Doxorubicinone : ≤ 0.5% Daunorubicin : ≤ 0.5% Daunorubicinone : ≤ 0.5% Any individual unspecified impurity : ≤ 0.5% Total impurities : ≤ 2%
<b>Assay (anhydrous basis)</b>	98 - 102%
<b>Grade</b>	Meets USP specifications
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Identification A and B : To pass test

# *Product Specifications*

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**For Laboratory Use Only**