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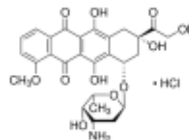
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## Product Specification

Product Name:  
Doxorubicin hydrochloride - 98.0-102.0% (HPLC)

Product Number: **D1515**  
CAS Number: 25316-40-9

Formula: C<sub>27</sub>H<sub>29</sub>NO<sub>11</sub> · HCl  
Formula Weight: 579,98 g/mol  
Storage Temperature: 2 - 8 °C



TEST	Specification
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Appearance (Form)	Powder
Appearance (Color)	Orange to Very Dark Orange and Light Red to Very Dark Red and Very Dark Red-Brown
Solubility (Solvent)	Water
Solubility (Conc)	50.0 - 52.0 mg/ml
Solubility (Color)	Orange to Red
Solubility (Turbidity)	Clear
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 3.0 %
Solvent Content (by GC)	≤ 2.5 %
Acetone plus alcohol	
Assay	98.0 - 102.0 %
By HPLC, anhydrous and solvent free	
Recommended Retest Period	-----
2 Years	

Specification: PRE.1.ZQ5.10000019851

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.