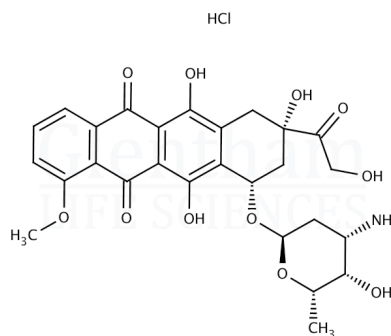


Certificate of Analysis

Product Name	Doxorubicin hydrochloride, 98%
Glentham Code	GP9056
CAS Number	25316-40-9
EINECS	246-818-3
MDL Number	MFCD00077757
Additional CAS	23214-92-8 (base)
Batch Number	726MSM
Molecular Weight	579.99
Molecular Formula	$C_{27}H_{29}NO_{11} \cdot HCl$
Storage Temp.	+4°C



Property	Specification	Batch 726MSM
Physical Description	Orange-red to red crystalline powder	Conforms
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, orange to red solution	Clear, red solution
Water (KF)	≤ 3.0%	2.56%
Acetone and Alcohol	≤ 2.5%	1.6%
Assay (HPLC)	98.0 - 102.0 % (anhydrous, solvent free)	99.4%

Specification Version	v1.0
Manufacture Date	2020-02-05
Re-Test Date	2028-02-05

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024