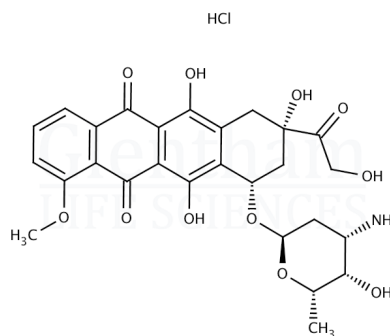


Certificate of Analysis

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.

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