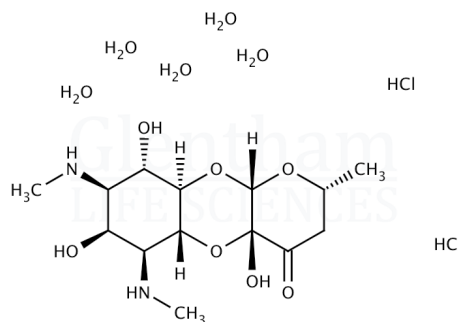


Certificate of Analysis

Product Name Spectinomycin dihydrochloride pentahydrate
Glentham Code GA3375
CAS Number 22189-32-8
EINECS 244-554-3
MDL Number MFCD00150886
PubChem SID 310280217
Additional CAS 21736-83-4
Batch Number 860RTS

Molecular Weight 495.35
Molecular Formula $C_{14}H_{24}N_2O_7 \cdot 2HCl \cdot 5H_2O$
Storage Temp. +4°C



Property	Specification	Batch 860RTS
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, colourless to faint yellow solution	Clear, colourless solution
pH (1% solution)	3.8 - 5.6	4.6
Specific Optical Rotation ($[\alpha]_{20/D}$)	+15.0 - +21.0 ° (c=1, water)	+18.3 °
Residue on Ignition	≤ 1.0%	0.2%
Water	16.0 - 20.0 %	18.2%
Potency	≥ 603µg/mg (C ₁₄ H ₂₄ N ₂ O ₇)	783µg/mg

Specification Version v1.1
Manufacture Date 2021-12-12
Re-Test Date 2031-02-08

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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