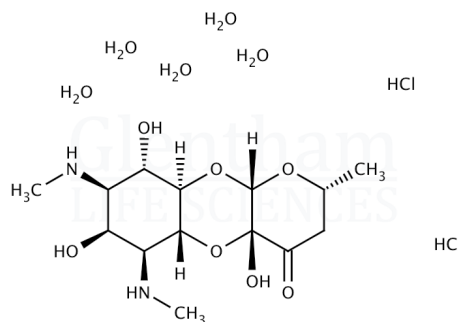


## Certificate of Analysis

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 <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub> )	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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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