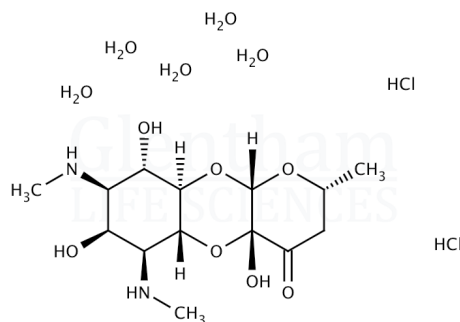


Product Specification

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



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

Specification Version	- v1.1
Date Created	- 2022-03-09

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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