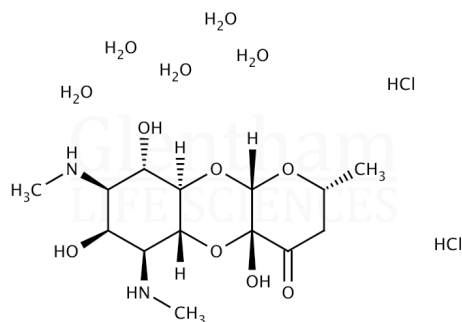


Product Specification

Product Name	Spectinomycin dihydrochloride pentahydrate, EP grade
Glentham Code	GA5412
CAS Number	22189-32-8
EINECS	244-554-3
MDL Number	MFCD00150886
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 powder
Identification	A, B according to EP
Solubility (10% in water)	Clear, colourless solution
pH (10% in water)	3.8 - 5.6
Specific Optical Rotation	+15.0 - +21.0 °
Impurities A, C, F, G	≤ 1.0% (each)
Impurities D, E	≤ 4.0% (each)
Any Other Individual Impurity	≤ 1.0%
Total Impurities	≤ 6.0%
Water	16.0 - 20.0 %
Sulphated Ash	≤ 1.0%
(4R)-Dihydrospectinomycin sulfate	≤ 9.0% (anhydrous substance)
Spectinomycin sulfate and (4R)-Dihydrospectinomycin sulfate	93.0 - 102.0 % (anhydrous substance)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.0
Date Created	-	2016-09-14

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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