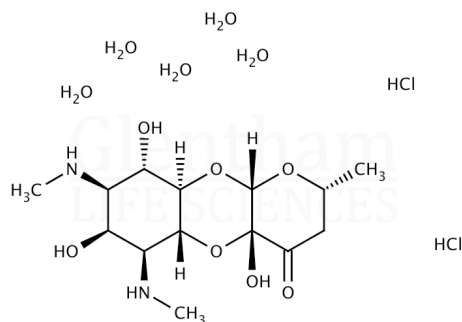


## Product Specification

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 <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub> · 2HCl · 5H <sub>2</sub> O
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 ([α] <sub>D</sub> <sup>20</sup> )	+15.0 - +21.0 ° (c=1, water)
Residue on Ignition	≤ 1.0%
Water	16.0 - 20.0 %
Potency	≥ 603µg/mg (C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub> )

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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