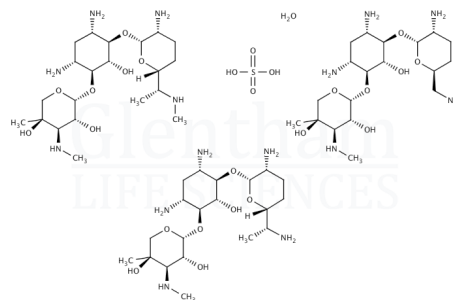


Product Specification

Product Name	Gentamicin sulfate
Glentham Code	GA7939
CAS Number	1405-41-0
EINECS	215-778-9
MDL Number	MFCD00270181
Additional CAS	1403-66-3 (base)
PubChem SID	310274086
Molecular Weight	575.67
Molecular Formula	$C_{60}H_{127}N_{15}O_{26}S$
Storage Temp.	+4°C



Property	Specification
Physical Description	White to off-white powder
Identification	To pass test
Assay	≥ 590IU/mg
Impurities	Any Impurity: ≤ 3.0% Total Impurities: ≤ 10.0%
Related Substances	Gentamicin C1: 25.0 - 50.0 % Gentamicin C1a: 10.0 - 35.0 % Gentamicin C2+C2a: 25.0 - 55.0 %
Solubility	Freely soluble in water, practically insoluble in ethanol
pH	3.5 - 5.5 (40mg/ml in water)
Water	≤ 15.0%
Methanol	≤ 1.0%
Sulphate	32.0 - 35.0 % (anhydrous)
Sulphated Ash	≤ 1.0%
Specific Optical Rotation	+107.0 - +121.0 °
Bacterial Endotoxins	≤ 0.71IU/mg
Pharmacopoeia Specification(s)	BP

Specification Version	-	v1.1
Date Created	-	2020-09-25

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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