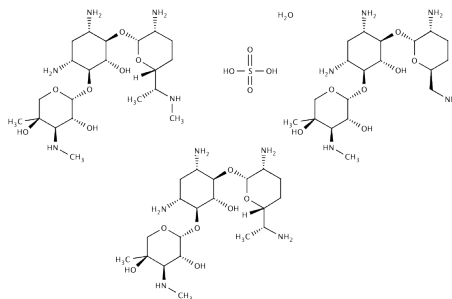


Product Specification

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 : C₆₀H₁₂₇N₁₅O₂₆S
Storage Temp. : +4°C



Property	Specification
Physical Description	White to off-white powder
Assay	≥ 590IU/mg (anhydrous)
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	≤ 0.67IU/mg
Pharmacopoeia Specification(s)	BP

Specification Version : v1.0
Date Created : 2013-10-30

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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