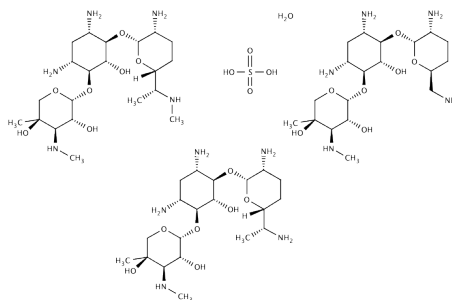


Product Specification

| | |
|-------------------|--------------------|
| 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 |
| 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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