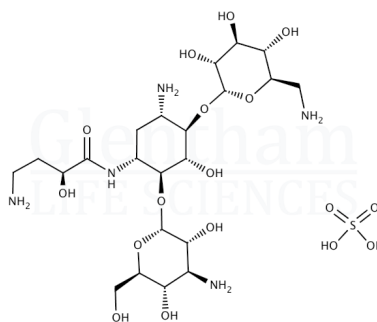


## Product Specification

|                   |  |
|-------------------|--|
| Product Name      | Amikacin sulfate salt                          |
| Glentham Code     | GA9402   |
| CAS Number        | 149022-22-0                                    |
| MDL Number        | MFCD00167477                                   |
| PubChem SID       | 310266131                                      |
| Additional CAS    | 39831-55-5                                     |
| Additional CAS    | 37517-28-5 (acid)                              |
| Molecular Weight  | 585.60 (non-salt)                              |
| Molecular Formula | $C_{22}H_{43}N_5O_{13} \cdot xH_2O_4S$ (x=1.8) |
| Storage Temp.     | +4°C   |



| Property                       | Specification                              |
|--------------------------------|--|
| Physical Description           | White to off-white powder                  |
| Identification                 | According to USP                           |
| pH (1% in water)               | 6.0 - 7.3                                  |
| Specific Optical Rotation      | +76.0 - +84.0 ° (c=2, water)               |
| Residue on Ignition            | ≤ 1.0%                                     |
| Loss on Drying                 | ≤ 13.0% (110°C, 3h)                        |
| Assay                          | 691 - 806 µg/mg (C22H43N5O13, dried basis) |
| Pharmacopoeia Specification(s) | USP  |

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.0       |
| Date Created          | - | 2013-07-31 |

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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