

## Product Datasheet

### GA7939 - Gentamicin sulfate

Pictograms

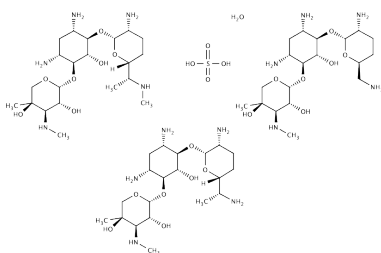


#### Product Details

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
Related Categories	APIs, Antibiotics, Biochemicals, Raw Materials (IVD), Reagents for Cell Culture, Antimicrobials

#### Structure

Molecular Weight	: 575.67
Molecular Formula	: C <sub>60</sub> H <sub>127</sub> N <sub>15</sub> O <sub>26</sub> S



#### Glentham Product 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
Version	: v1.1

#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Resp. Sens. 1, Skin Sens. 1
Signal Word	Danger
Hazard Codes	H317, H334
Precautionary Codes	P261, P280, P302+P350, P342+P311

#### About Gentamicin sulfate

Gentamicin (gentiomyacin C) is an aminoglycoside and broad-spectrum antibiotic naturally produced by Gram-negative bacteria. Derives its antibiotic properties by preventing protein synthesis. Used to treat conditions including bone infections, pelvic inflammatory disease, endocarditis, meningitis, pneumonia and sepsis.

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