

Product Datasheet

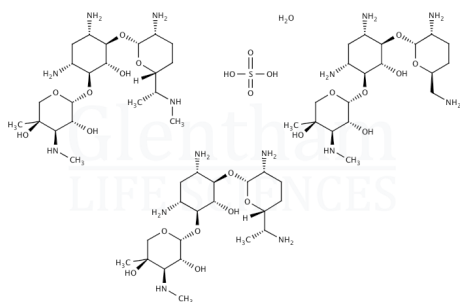
GA7939 - Gentamicin sulfate

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	: $C_{60}H_{127}N_{15}O_{26}S$



Precautionary Codes

P302+P350, P280, P261, P342+P311

Pictograms



Glentham Product Specification

Physical Description	: White to off-white powder
Identification	: To pass test
Assay	: $\geq 590IU/mg$
Impurities	: Any Impurity: $\leq 3.0\%$: Total Impurities: $\leq 10.0\%$
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	: $\leq 15.0\%$
Methanol	: $\leq 1.0\%$
Sulphate	: 32.0 - 35.0 % (anhydrous)
Sulphated Ash	: $\leq 1.0\%$
Specific Optical Rotation	: $+107.0 - +121.0^\circ$
Bacterial Endotoxins	: $\leq 0.71IU/mg$
Pharmacopoeia Specification(s)	: BP
Version	: v1.1

Storage

Recommended storage temperature: $+4^\circ C$.

Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Skin Sens. 1, Resp. Sens. 1
Signal Word	Danger
Hazard Codes	H317, H334

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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