



Gentamycin Sulfate

Broad-spectrum antibiotic, active against medically related bacteria

Gentamycin is a broad-spectrum antibiotic. It is proven that Gentamycin is active against medically related bacteria like *Escherichia coli*, *Serratia marcescens*, *Klebsiella pneumoniae*, *Staphylococcus*, *Citrobacter*, *Enterobacteriaceae*, *Pseudomonas aeruginosa*. Gentamycin sulfate is the salt form of Gentamycin.

Cat. Number	AS-2030
CAS Number	1405-41-0
Additional CAS	1403-66-3 (base)
MDL Number	MFCD00270181
Pubchem	310274086
Molecular Weight	575.68 g/mol
Molecular Formula	$C_{21}H_{43}N_5O_7 \cdot H_2SO_4$
Storage Temperature	+4°C
Form and Color	Powder to crystalline powder / white to off-white
Solubility	Soluble in water / partially soluble in ethanol
pH value	3.5 – 5.5
Water Content	≤ 18%
Activity (anhydrous basis)	≥ 590 IU/mg
Gentamycin C1A	10 – 35 %
Gentamycin C2 + C2a	25-55%
Gentamycin C1	25 – 50 %
Specific Optical Rotation [α] D	107 - 121
Methanol	≤ 1%
Sulfate (anhydrous)	32 – 35 %
Sulfated Ash	≤ 1%
FT-IR Spectrum	Corresponds to spectrum
Synonym	Garamycin / Gentamicin Sulfate / Gentamicin sulfate salt / Gentiomycin C