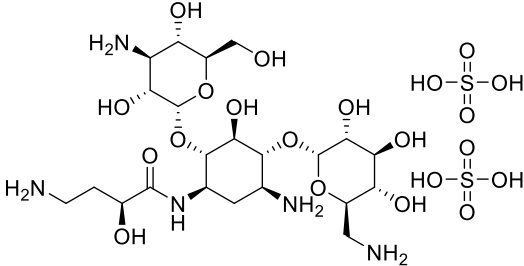


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100955	Amikacin sulfate	S8P09C28

Chemical name	
(S)-4-amino-N-(((1R,2S,3S,4R,5S)-5-amino-2-(((2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-4-(((2R,3R,4S,5S,6R)-6-(aminomethyl)-3,4,5-trihydroxytetrahydro-2H-pyran-2-yl)oxy)-3-hydroxycyclohexyl)-2-hydroxybutanamide bis(sulfate)	
Synonyms	
Amikacin sulfate; Amitrex; Antibiotic BB-K8 sulfate; BB-K8; Biklin; Biodacyn; Chemacin; Fabianol; Kaminax; Kancin-Gap; Likacin; Lukadin; BB K8; BBK8	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100955 Name: Amikacin sulfate CAS#: 39831-55-5 (sulfate) Lot#: S8P09C28 Chemical Formula: C ₂₂ H ₄₇ N ₅ O ₂₁ S ₂ Molecular Weight: 781.752

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE