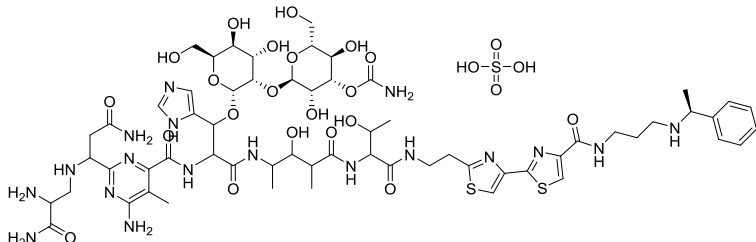


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100721	Peplomycin Sulfate	S7C12B06

Chemical name	
(2R,3S,4S,5R,6R)-2-(((2R,3S,4S,5S,6S)-2-(2-(6-amino-2-(3-amino-1-((2,3-diamino-3-oxopropyl)amino)-3-oxopropyl)-5-methylpyrimidine-4-carboxamido)-3-((3-hydroxy-5-((3-hydroxy-1-oxo-1-((2-(4-((3-(((S)-1-phenylethyl)amino)propyl)carbamoyl)-[2,4'-bithiazol]-2'-yl)ethyl)amino)butan-2-yl)amino)-4-methyl-5-oxopentan-2-yl)amino)-1-(1H-imidazol-5-yl)-3-oxopropoxy)-4,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-3-yl)oxy)-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-4-yl carbamate sulfate	
Synonyms	
NK-631, NK 631, NK631, pepleomycin, PEP.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100721 Name: Peplomycin sulfate CAS#: 70384-29-1 Lot#: S7C12B06 Chemical Formula: $C_{61}H_{90}N_{18}O_{25}S_3$ Molecular Weight: 1571.672

Analysis item	Specifications / Results
Appearance	Light yellow to yellow solid powder
Structure	^1H -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, not in water.
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