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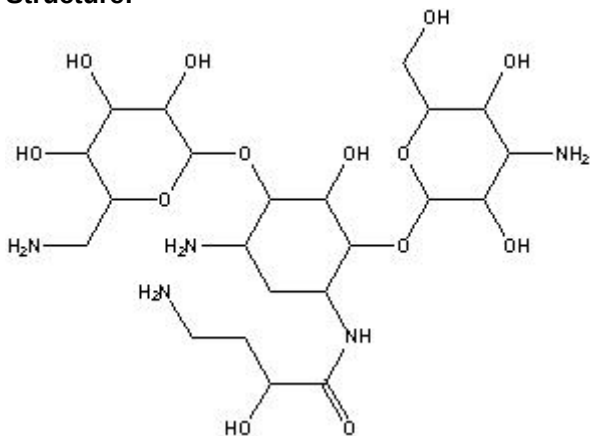
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TECHNICAL INFORMATION

Catalog Number: 150342

Amikacin

Structure:



Molecular Formula: C₂₂H₄₃N₅O₁₃

Molecular Weight: 585.6

CAS # : 37517-28-5

Synonyms: 1-N-[L(-)-4-Amino-2-hydroxy-butyryl] kanamycin A; O-3-Amino-3-deoxy-a -D-glucopyranosyl-(1 ---> 6)-O-6-amino-6-deoxy-a-D-glucopyranosyl-(1 ---> 4)]- N¹ -(4-amino-2-hydroxy-1-oxobutyl)-2-deoxy-D-streptamine; Lukadin

Physical Description: White to pale yellow crystalline powder

Solubility: Sparingly soluble in water

Description: Semisynthetic aminoglycoside antibiotic derived from kanamycin A.

References:

- Merck Index, **12th Ed.**, No. 425.
- Kawaguchi, et al., *J. Antibiot.*, **v. 25**, 695 (1972).
- Cappelletti, L.M., Spagnoli, R., *J. Antibiot.*, **v. 36**, 328 (1983).
- Price, et al., *J. Antibiot.*, **v. 25**, 709 (1972).