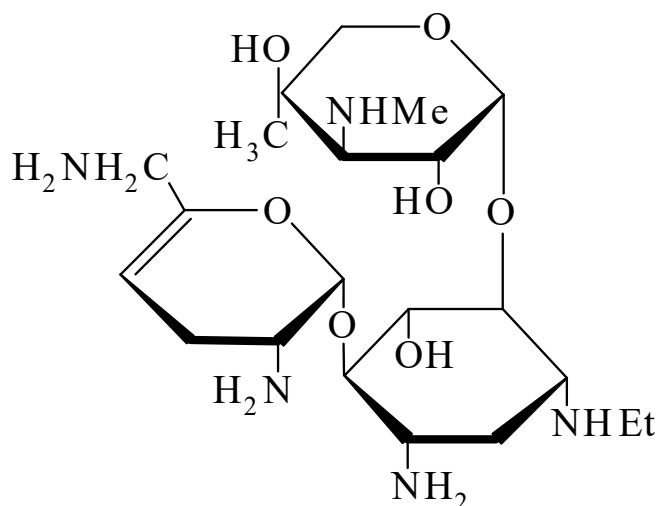




>>Entry Name: Netilmicin, BAN, INN

Synonym(s): N-Ethylsisomicin. Netromycin. Sch 20569. Certomycin. Vivicil. Antibiotic Sch 20569. Many other names



CAS Registry Number: 56391-56-1

Molecular Formula: C₂₁H₄₁N₅O₇

Molecular Weight: 475.584

Accurate Mass: 475.3006

Percentage Composition: C 53.04%; H 8.69%; N 14.73%; O 23.55%

Source/Synthesis: Semisynthetic aminoglycoside antibiotic

Use/Importance: Shows broad spectrum activity

Optical Rotation: [α]_D +129.5 (H₂O)

Solubility: BERDY SOL: Sol. H₂O; poorly sol. EtOH, hexane

Calculated Log P Data: Log P -3.81 (uncertain value) (calc)

UV: [neutral] λ_{max} (H₂O) (Berdy)

Hazard & Toxicity: Less ototoxic than congeners. LD₅₀ (rat, ipr) 231 mg/kg. Exp. reprod. and teratogenic effects ; BERDY HAZD : LD₅₀ (mus, ivn) 40 mg/kg , LD₅₀ (mus, ipr) 125 mg/kg , LD₅₀ (mus, scu) 175 mg/kg

>>Derivative: Sulfate (1:5)

Synonym(s): Netilmicin sulfate, JAN, USAN

CAS Registry Number: 56391-57-2

Sigma: N0755

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