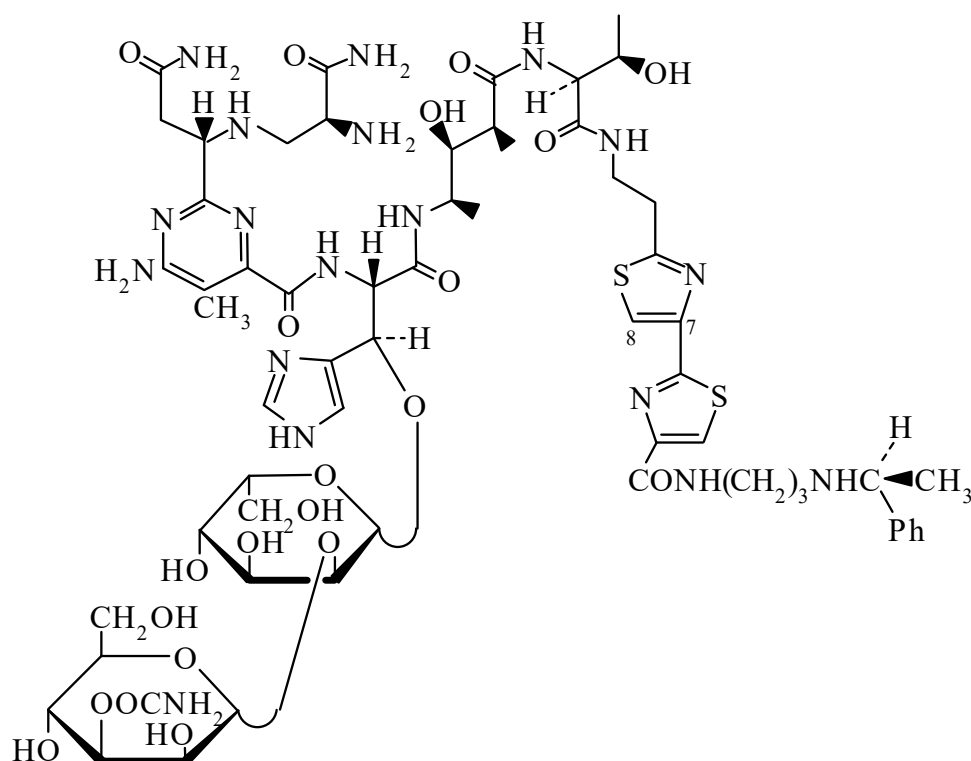




>>Entry Name: Pepleomycin

Synonym(s): *N'*-[3-[(1-Phenylethyl)amino]propyl]bleomycinamide. Bleomycin NK 631. 3-(1-Phenylethylamino)propylaminobleomycin. **Peplomycin**, INN. Pepleocine. Peplocin. NK 631



CAS Registry Number: 68247-85-8

Molecular Formula: C₆₁H₈₈N₁₈O₂₁S₂

Molecular Weight: 1473.606

Accurate Mass: 1472.581287

Percentage Composition: C 49.72%; H 6.02%; N 17.11%; O 22.80%; S 4.35%

Source/Synthesis: Semisynthetic

Use/Importance: Antineoplastic antibiotic

Calculated Log P Data: Log P -10.3 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, ivn) 215 mg/kg. Mutagenic props.

>>Derivative: Sulfate

Synonym(s): Peplomycin sulfate, JAN, USAN

CAS Registry Number: 70384-29-1

>>Derivative: 7,8-Dihydro

Synonym(s): Phleomycin PEP. 7,8-Dihydropepleomycin

CAS Registry Number: 79736-64-4

Molecular Formula: C₆₁H₉₀N₁₈O₂₁S₂

Molecular Weight: 1475.622

Accurate Mass: 1474.596937

Percentage Composition: C 49.65%; H 6.15%; N 17.09%; O 22.77%; S 4.35%

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