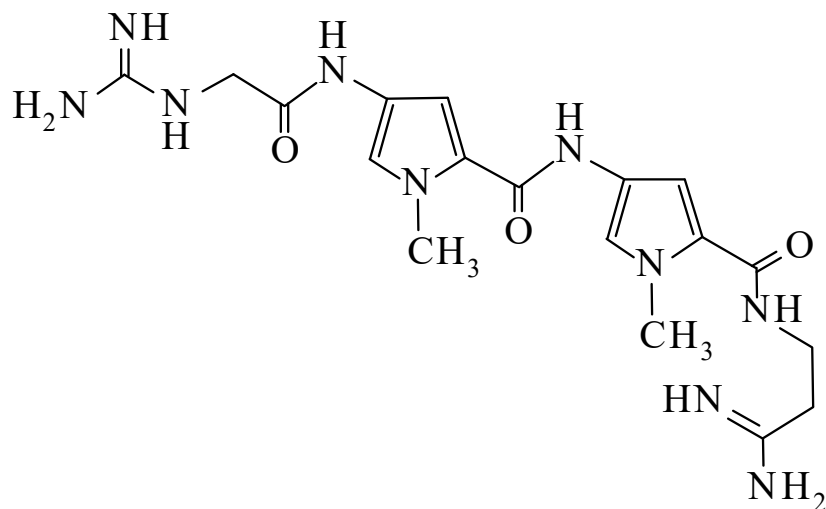




>>Entry Name: Netropsin

Synonym(s): *N'*-(2-Carbamoylethyl)-4-[(2-guanidinoacetimidoyl)amino]-1,1'-dimethyl-*N*,4'-bi[pyrrole-2-carboxamide], 8Cl. Congocidine. Sinanomycin. Antibiotic K 117. Antibiotic IA 887. Antibiotic T 1384. Antibiotic 2814A. Antibiotic CH 777A. K 117. IA 887. T 1384. CH 777A



CAS Registry Number: 1438-30-8

Molecular Formula: C₁₈H₂₆N₁₀O₃

Molecular Weight: 430.469

Accurate Mass: 430.218935

Percentage Composition: C 50.22%; H 6.09%; N 32.54%; O 11.15%

Biological Source: Prod. by *Streptomyces netropsis*, *Streptomyces chromogenes* and *Streptomyces ambofaciens*

Biological Use/Importance: Shows antiviral and antimicrobial props. DNA minor groove-binding ligand with specificity for adenine and thymine base pairs

UV: [acid] λ_{max} 235 (ε 25000); 297 (ε 27500) (0.1M HCl) (Derep) [base] λ_{max} 301 (ε) (0.1M NaOH) (Derep) [neutral] λ_{max} 235 (ε 27000); 296 (ε 29000) (HCl salt/H₂O) (Derep)

Sigma: N9653

>>Derivative: Hydrochloride

Physical Description: Hygroscopic prisms

Melting Point: Mp 168-172 dec.°

>>Derivative: Sulfate

Physical Description: Needles

Melting Point: Mp 224-225°

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