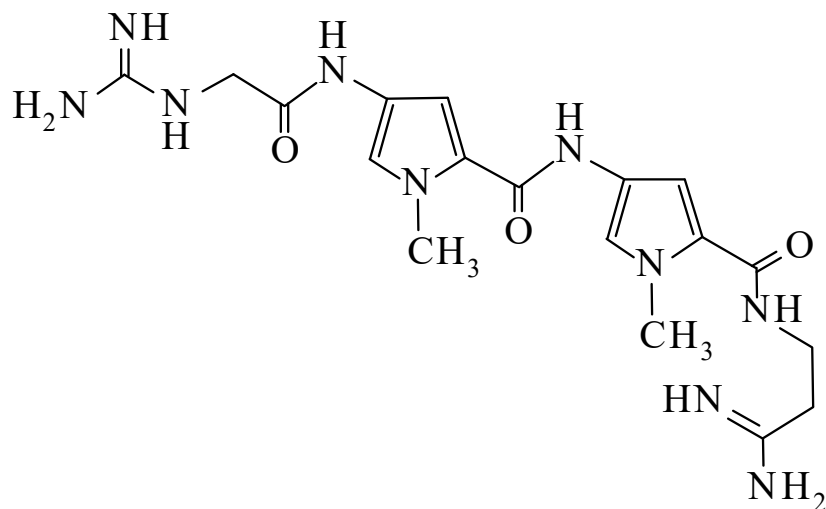




**>>Entry Name: Netropsin**

**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:** C<sub>18</sub>H<sub>26</sub>N<sub>10</sub>O<sub>3</sub>

**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]  $\lambda_{\max}$  235 ( $\epsilon$  25000); 297 ( $\epsilon$  27500) (0.1M HCl) (Derep) [base]  $\lambda_{\max}$  301 ( $\epsilon$  ) (0.1M NaOH) (Derep) [neutral]  $\lambda_{\max}$  235 ( $\epsilon$  27000); 296 ( $\epsilon$  29000) (HCl salt/H<sub>2</sub>O) (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°

**References:**

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