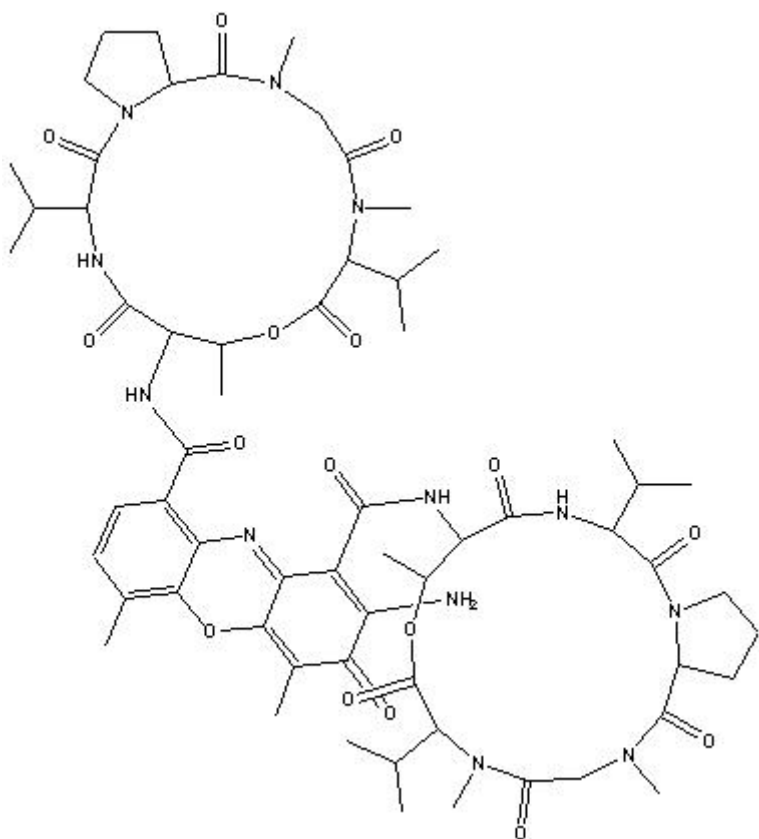


TECHNICAL INFORMATION

Catalog Number: 104658, 194525, 196035

Actinomycin D

Structure:



Molecular Formula: C₆₂H₈₆N₁₂O₁₆

Formula Weight: 1255.5

CAS #: 50-76-0

Synonym: Dactinomycin; Actinomycin D; actinomycin-[thr-val-pro-sar-meval]; meractinomycin; actinomycin AIV; actinomycin IV; actinomycin C1; actinomycin X1; NSC-3053; Cosmegen

Physical Appearance: Red-orange to red powder

Source: *Streptomyces parvalus*

Description: Potent apoptosis inducer. Antineoplastic antibiotic. Inhibits DNA-primed RNA polymerase and DNA polymerase.

Suggested Concentration for Use: 1 ug/ml

Purity: >99%

Solubility: Soluble in methanol (10 mg/ml - clear, orange solution), soluble in DMSO (50 mg/ ml-clear, orange solution),

ethanol, chloroform, benzene, ethyl acetate, propylene glycol, chloroform, acetone, water + glycol mixtures. Decomposed by strong acids, light. Solutions can be aliquoted and stored at -20°C for about 3 months.

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