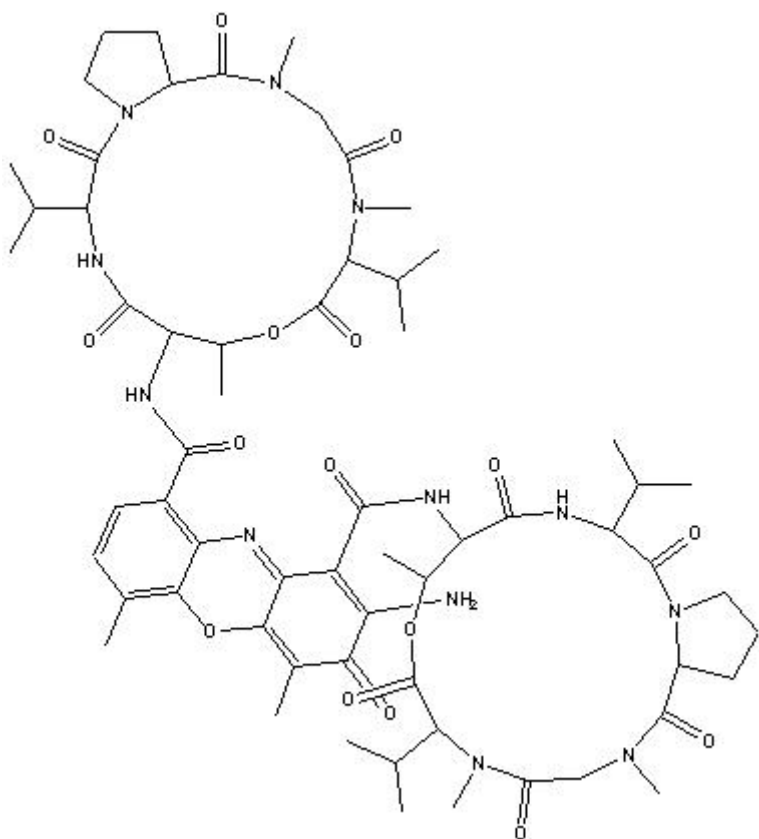


## TECHNICAL INFORMATION

Catalog Number: 104658, 194525, 196035

### Actinomycin D

#### Structure:



**Molecular Formula:** C<sub>62</sub>H<sub>86</sub>N<sub>12</sub>O<sub>16</sub>

**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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