

Actinomycin D, Transcription inhibitor

Catalog	Unit
TBI2054-5MG	5 mg
TBI2054-25MG	25 mg

Product Details

Molecular Formula: C₆₂H₈₆N₁₂O₁₆

Formula Weight: 1255.42

CAS Number: 50-76-0

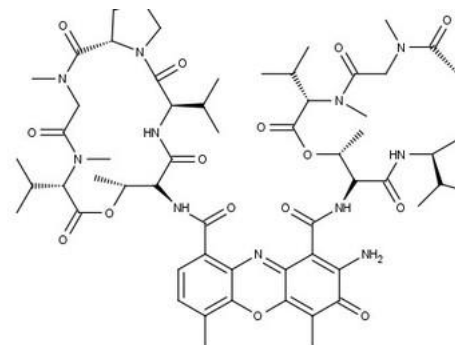
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 2 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Transcription inhibitor

Functions

Actinomycin D (50-76-0) is a cyclopeptide antibiotic and intercalating transcription inhibitor with anti-neoplastic activity. Potent inhibitor of RNA polymerase. Induces apoptosis in a variety of cancer cell lines via the intrinsic pathway. Upregulates proapoptotic PUMA and downregulates Bcl-2 mRNA in peripheral blood lymphocytes.

Application Procedures

First dissolved in DMSO (up to 2 mg/ml) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions are not stable and must be made fresh and used within one working day. Do not store solutions.

For research use only.