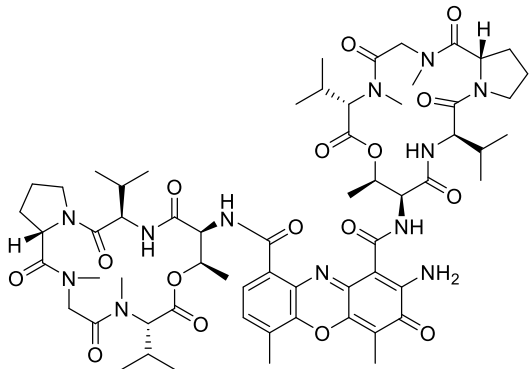




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100220	Dactinomycin (Actinomycin D)	TZC50824

Chemical name	
2-amino-N1,N9-bis(6,13-diisopropyl-2,5,9-trimethyl-1,4,7,11,14-pentaoxohexadecahydro-1H-pyrrolo[2,1-i][1,4,7,10,13]oxatetraazacyclohexadecin-10-yl)-4,6-dimethyl-3-oxo-3H-phenoxazine-1,9-dicarboxamide	
Synonyms	
DACT; ACTD; actinomycin C1; actinomycin D; actinomycin I1; actinomycin IV; actinomycin X 1; actinomycinthrvalprosarmeal; dactinomycine; meractinomycin; US brand names: Cosmegen; Lyovac.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100220 Name: Dactinomycin CAS#: 50-76-0 Lot#: TZC50824 Chemical Formula: C ₆₂ H ₈₆ N ₁₂ O ₁₆ Exact Mass: 1254.62847 Molecular Weight: 1255.42

Analysis item	Specifications / Results
Appearance	Red solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE