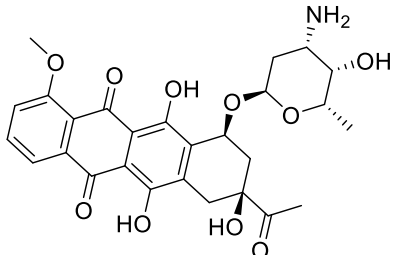




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100961	Daunorubicin free base	YXM80620

Chemical name	
(8S,10S)-8-acetyl-10-(((2R,4S,5S,6S)-4-amino-5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-6,8,11-trihydroxy-1-methoxy-7,8,9,10-tetrahydrotetracene-5,12-dione	
Synonyms	
Daunorubicin free base; FI6339; NSC 82151; NSC 83142; RP 13057; Rubidomycin; Rubomycin C; Daunamycin;	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 100961 Name: Daunorubicin free base CAS#: 20830-81-3 Lot# YXM80620 Chemical Formula: C ₂₇ H ₂₉ NO ₁₀ Exact Mass: 527.1791 Molecular Weight: 527.526

Analysis item	Specifications / Results
Appearance	Dark 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)	>98.0%
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
Shelf life	At least 5 years if properly stored.

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