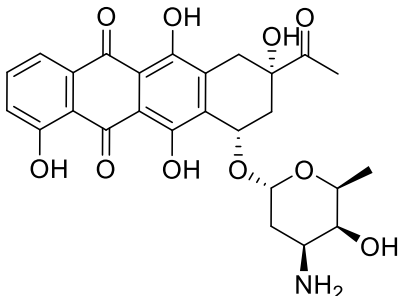


# Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
406273	Carubicin	TZC50604

Chemical name	
(8S,10S)-8-acetyl-10-(((2R,4S,5S,6S)-4-amino-5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-1,6,8,11-tetrahydroxy-7,8,9,10-tetrahydrotetracene-5,12-dione	
Synonyms	
Synonym: Antibiotic R 588A; Carminomicin I; Carminomycin I; Carubicin; carminomycin; Demethyl-daunomycin; Karminomitsin; karminomycin; CMM.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406273 Name: Carubicin CAS#: 50935-04-1 Lot#TZC50604 Chemical Formula: C <sub>26</sub> H <sub>27</sub> NO <sub>10</sub> Exact Mass: 513.16350 Molecular Weight: 513.49

Analysis item	Specifications / Results
Appearance	Red solid powder
Structure	<sup>1</sup> 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, soluble in 5% HCl, not soluble in water.
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**