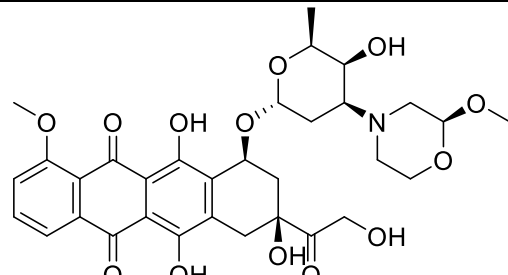


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
201824	Nemorubicin	C8R07B18

Chemical name	
(8S,10S)-6,8,11-trihydroxy-10-(((2R,4S,5S,6S)-5-hydroxy-4-((S)-2-methoxymorpholino)-6-methyltetrahydro-2H-pyran-2-yl)oxy)-8-(2-hydroxyacetyl)-1-methoxy-7,8,9,10-tetrahydrotetracene-5,12-dione.	
Synonyms	
PNU152243A; PNU-152243A; PNU 152243A; Nemorubicin, methoxymorpholinyl-doxorubicin	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 201824 Name: Nemorubicin CAS#: 108852-90-0 Lot#: C8R07B18 Chemical Formula: C ₃₂ H ₃₇ NO ₁₃ Exact Mass: 643.22649 Molecular Weight: 643.63

Analysis item	Specifications / Results
Appearance	Red to brown.
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)	>97.0%
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