



Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100260	Dexrazoxane	YYP30928

Chemical name	
(S)-4,4'-(propane-1,2-diyl)bis(piperazine-2,6-dione)	
Synonyms	
ADR529; ADR-529; ADR 529; ICRF-187; ICRF187; ICRF 187; NSC169780; NSC-169780; NSC 169780; Cardioxan; Cardioxane; US brand names: Totect; Zinecard. Foreign brand names: Cardioxane Savene.	
Chemical structure	CAS# and Theoretical analysis
 <chem>C[C@H](CN1C(=O)NCC1=O)CN2C(=O)NCC2=O</chem>	MedKoo Cat#: 100260 Name: Dexrazoxane CAS#: 24584-09-6 Lot#YYP30928 Chemical Formula: C ₁₁ H ₁₆ N ₄ O ₄ Exact Mass: 268.11716 Molecular Weight: 268.27

Analysis item	Specifications / Results
Appearance	White to off-white 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
Shelf life	At least 5 years if properly stored.

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