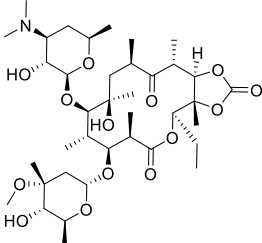


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
530487	Davercin solution (in ethanol, 100mg/mL)	C8R01B22

Chemical name	
(3aR,4R,7R,8S,9S,10R,11R,13R,15R,15aR)-10-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-4-ethyl-11-hydroxy-8-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3a,7,9,11,13,15-hexamethyldecahydro-6H-[1,3]dioxolo[4,5-c][1]oxacyclotetradecine-2,6,14(7H)-trione	
Synonyms	
Erythromycin A; Erythromycin A 11,12-carbonate; Erythromycin A cyclic carbonate; Davercin.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 530487 Name: Davercin CAS#: 55224-05-0 Lot# C8R01B22 Chemical Formula: C ₃₈ H ₆₅ NO ₁₄ Exact Mass: 759.4405 Molecular Weight: 759.93

Analysis item	Specifications / Results
Appearance	Ethanol solution: colorless to pale yellow (Note: Pure form is a pale yellow waxy semi-solid)
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 ethanol, methanol, DMF, 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