

# Product data sheet



MedKoo Cat#: 530487 Name: Davercin CAS#: 55224-05-0 Chemical Formula: C <sub>38</sub> H <sub>65</sub> NO <sub>14</sub> Exact Mass: 759.4405 Molecular Weight: 759.93		
Product supplied as:	Liquid	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Davercin, also known as Erythromycin Cyclocarbonate, is a bacteriostatic antibiotic macrolide produced by *Streptomyces erythreus*. It inhibits protein synthesis by binding to 50S ribosomal subunits. This binding process inhibits peptidyl transferase activity and interferes with translocation of amino acids during translation and assembly of proteins. Note: This product is supplied as ethanol solution (100mg/mL)

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	55.0	72.38
Ethanol	100.0	131.59

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.32 mL	6.58 mL	13.16 mL
5 mM	0.26 mL	1.32 mL	2.63 mL
10 mM	0.13 mL	0.66 mL	1.32 mL
50 mM	0.03 mL	0.13 mL	0.26 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Davercin (Erythromycin Cyclocarbonate), a derivative of Erythromycin, is an active against Gram-positive and some Gram-negative microorganisms.

In vitro activity

TBD

# Product data sheet



In vivo activity

TBD

---

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*