

Product Name:	Davercin
Product Number:	D035
CAS Number:	55224-05-0
Molecular Formula:	C ₃₈ H ₆₅ NO ₁₄
Molecular Weight:	759.9
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Davercin (erythromycin A cyclic 11,12-carbonate) is a first generation semi-synthetic erythromycin. Davercin is prepared by coupling the 11- and 12-OH groups to form a cyclic carbonate. This simple modification improves the stability and hydrophobicity of the macrocyclic structure. Davercin shows comparable or better in vitro potency, low host toxicity and improved pharmacokinetics compared with erythromycin.</p> <p>Davercin is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Erythromycin derivatives and the process of preparation thereof. Murphy H.W. et al. U.S. Pat. 3,417,077, 1968</p> <p>L-aspartate of erythromycin A cyclic 11,12-carbonate, a new semisynthetic erythromycin derivative. Bojarska-Dahlig H. J. Antibiot. 1976, 29, 907.</p>