

Product Name:	Parvodicin
Product Number:	P071
CAS Number:	187888-13-7
Molecular Formula:	$C_{83}H_{88}Cl_2N_8O_{29}$ (for C1)
Molecular Weight:	1732.5 (for C1)
Appearance:	Fawn to light tan solid
Storage Conditions:	-20°C
Description:	<p>Parvodicin is a family of glycopeptides with potent antibiotic activity, isolated from <i>Actinomadura parvosata</i>. Structurally the parvodicins share a common cyclic peptide core with ristocetin. The analogues within the complex vary in the fatty acid substitution on the aminosugar. Parvodicin complex is a precursor to the synthetic glycopeptide, dalbavancin.</p> <p>Parvodicin complex is soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</p>
Mechanism of Action:	Like other glycopeptides in this class, parvodicin complex inhibits cell wall formation by binding to D-alanine-D-alanine residues.
References:	<p>Parvodicin, a novel glycopeptide from a new species, <i>Actinomadura parvosata</i>: Discovery, taxonomy, activity and structure elucidation. Christensen S.B. et al. <i>J. Antibiot.</i> 1987, 40, 970.</p> <p>Dalbavancin: a novel antimicrobial. Chen A.Y. et al. <i>Int. J. Clin. Pract.</i> 2007, 61, 853.</p>