

## Parvodicin Complex

## Chemical Properties

CAS No. :	187888-13-7
Formula:	C <sub>83</sub> H <sub>88</sub> Cl <sub>2</sub> N <sub>8</sub> O <sub>29</sub> (for C1)
Molecular Weight:	1732.5
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Parvodicin complex is a mixture of closely related lipophilic glycopeptides originally isolated from <i>A. parvosata</i> . The parvodicin complex has activity against Gram-positive bacteria (MICs = 0.8-12.5 µg/ml) including methicillin-resistant strains of <i>S. aureus</i> (MRSA), <i>S. hemolyticus</i> , and <i>E. faecalis</i> (MICs = 0.1-25 µg/ml). Glycopeptide antibiotics act by preventing cell wall synthesis by binding and sequestering a cell wall precursor with a D-alanine-containing peptide.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5772 mL	2.886 mL	5.772 mL
5 mM	0.1154 mL	0.5772 mL	1.1544 mL
10 mM	0.0577 mL	0.2886 mL	0.5772 mL
50 mM	0.0115 mL	0.0577 mL	0.1154 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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