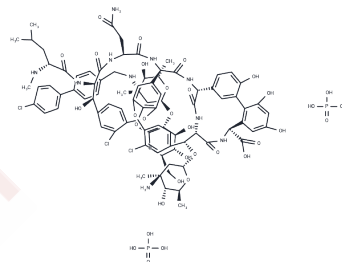


## Oritavancin diphosphate

## Chemical Properties

CAS No. :	192564-14-0
Formula:	C <sub>86</sub> H <sub>103</sub> Cl <sub>3</sub> N <sub>10</sub> O <sub>34</sub> P <sub>2</sub>
Molecular Weight:	1989.09
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Oritavancin diphosphate (LY333328 diphosphate) is a novel semisynthetic glycopeptide antibiotic developed for treating serious Gram-positive bacterial infections.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 137.5 mg/mL (69.13 mM), Sonication and heating are recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.01 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5027 mL	2.5137 mL	5.0274 mL
5 mM	0.1005 mL	0.5027 mL	1.0055 mL
10 mM	0.0503 mL	0.2514 mL	0.5027 mL
50 mM	0.0101 mL	0.0503 mL	0.1005 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.

Reference

Arhin FF, et al. Antimicrob Agents ChemOthers. 2008 May;52(5):1597-1603.

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