

## Product Information

### Antifection inhibitor Oritavancin, Purity ≥98%

**Cat. No.:** X24-07-ZQ018

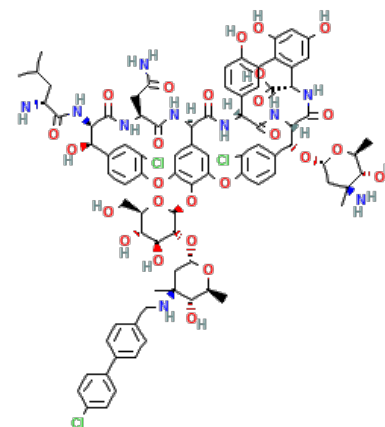
**Size:** 2 mg; 5 mg; 10 mg; 25 mg

**CAS Number:** 171099-57-3

**Compound CID:** 16136912

**Synonym:** 171099-57-3; Antifection inhibitor; LY333328

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Oritavancin has strong immunosuppressant properties.
<b>Molecular Weight</b>	1793.1
<b>Molecular Formula</b>	C <sub>86</sub> H <sub>97</sub> Cl <sub>3</sub> N <sub>10</sub> O <sub>26</sub>
<b>IUPAC Name</b>	(1 <i>S</i> ,2 <i>R</i> ,18 <i>R</i> ,19 <i>R</i> ,22 <i>S</i> ,25 <i>R</i> ,28 <i>R</i> ,40 <i>S</i> )-2-[(2 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>S</i> )-4-amino-5-hydroxy-4,6-dimethyloxan-2-yl]oxy-22-(2-amino-2-oxoethyl)-5,15-dichloro-48-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i> )-3-[(2 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>S</i> )-4-[[4-(4-chlorophenyl)phenyl]methylamino]-5-hydroxy-4,6-dimethyloxan-2-yl]oxy-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-18,32,35,37-tetrahydroxy-19-[[2 <i>R</i> )-4-methyl-2-(methylamino)pentanoyl]amino]-20,23,26,42,44-pentaoxo-7,13-dioxo-21,24,27,41,43-pentaoxa-2,3,5,8,10,12,14,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49-pentadecaene-40-carboxylic acid
<b>InChI</b>	InChI=1S/C86H97Cl3N10O26/c1-35(2)22-51(92-7)77(110)98-67-69(105)42-15-20-55(49(88)24-42)120-57-26-44-27-58(73(57)125-84-74(71(107)70(106)59(34-100)122-84)124-62-32-86(6,76(109)37(4)119-62)93-33-38-8-10-39(11-9-38)40-12-17-45(87)18-13-40)121-56-21-16-43(25-50(56)89)72(123-61-31-85(5,91)75(108)36(3)118-61)68-82(115)97-66(83(116)117)48-28-46(101)29-54(103)63(48)47-23-41(14-19-53(47)102)64(79(112)99-68)96-80(113)65(44)95-78(111)52(30-60(90)104)94-81(67)14/h8-21,23-29,35-37,51-52,59,61-62,64-72,74-76,84,92-93,100-103,105-109H,22,30-34,91H2,1-7H3,(H2,90,104)(H,94,114)(H,95,111)(H,96,113)(H,97,115)(H,98,110)(H,99,112)(H,116,117)/t36-,37-,51+,52-,59+,61-,62-,64+,65+,66-,67+,68-,69+,70+,71-,72+,74+,75-,76-,84-,85-,86-/m0/s1
<b>InChI Key</b>	VHFGEBVPHAGQPI-LXKZPTCJSA-N

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<b>Canonical SMILES</b>	<chem>CC1C(C(CC(O1)OC2C3C(=O)NC(C4=C(C(=CC(=C4)O)O)C5=C(C=CC(=C5)C(C(=O)N3)NC(=O)C6C7=CC(=C(C(=C7)OC8=C(C=C2C=C8)CI)OC9C(C(C(C(O9)CO)O)O)OC1CC(C(C(O1)C)O)(C)NC1=CC=C(C=C1)C1=CC=C(C=C1)CI)OC1=C(C=C(C=C1)C(C(C(=O)NC(C(=O)N6)CC(=O)N)NC(=O)C(CC(C)C)NC)O)CI)O)C(=O)O)(C)N)O</chem>
<b>Isomeric SMILES</b>	<chem>C[C@H]1[C@@H]([C@@]([C@@H](O1)O)[C@H]2[C@H]3C(=O)N[C@@H](C4=C(C(=CC(=C4)O)O)C5=C(C=CC(=C5)[C@H](C(=O)N3)NC(=O)[C@H]6C7=CC(=C(C(=C7)OC8=C(C=C2C=C8)CI)O[C@H]9[C@@H]([C@H]([C@@H]([C@H](O9)CO)O)O)[C@H]1C[C@]([C@H]([C@@H](O1)C)O)(C)NCC1=CC=C(C=C1)C1=CC=C(C=C1)CI)OC1=C(C=C(C=C1)[C@H]([C@H](C(=O)N[C@H](C(=O)N6)CC(=O)N)NC(=O)[C@@H](CC(C)C)NC)O)CI)O)C(=O)O)(C)N)O</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Oritavancin is used in research focused on its long-acting properties and effectiveness against drug-resistant gram-positive bacterial infections.
<b>Storage</b>	Store at -20°C, and keep desiccated.

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