

## Product Datasheet

### SPR741 acetate (orb1708471)

<b>Catalog Number</b>	orb1708471
<b>Category</b>	Tools
<b>Description</b>	SPR741 acetate is a cationic peptide derivative of polymyxin B that disrupts the outer membrane of Gram-negative bacteria, increasing its permeability. This activity enhances the efficacy of co-administered antibiotics in research models, supporting its investigation as a potentiator for treating multidrug-resistant infections in both in vitro and in vivo studies.
<b>Target</b>	Antibacterial
<b>Purity</b>	98.57% (May vary between batches)
<b>MW</b>	1052.18
<b>Target Areas</b>	Antibacterial
<b>Solubility (25°C)</b>	DMSO:117 mg/mL (111.2 mM)
<b>Formula</b>	C <sub>46</sub> H <sub>77</sub> N <sub>13</sub> O <sub>15</sub>
<b>SMILES</b>	<chem>C[C@@H](O)[C@H]1C(NCC[C@H](NC([C@H](NC([C@@H](NC(C)=O)[C@H](O)C)=O)CO)=O)C(N[C@@H](CCN)C(N[C@H](CC2=CC=CC=C2)C(N[C@@H](CC(C)C)C(N[C@@H](CCN)C(N[C@H](CCN)C(N1)=O)=O)=O)=O)=O).CC(O)=O</chem>
<b>Storage</b>	store at low temperature,keep away from moisture   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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