

## Product Datasheet

### Polymyxin E1 sulfate (orb1979963)

<b>Description</b>	Polymyxin E1, a peptide antibiotic and key component of the cationic lipopeptide antibiotic colistin, was initially extracted from <i>B. polymyxa</i> . It demonstrates effectiveness against <i>P. aeruginosa</i> and <i>E. coli</i> , with minimum inhibitory concentrations (MICs) of 2 µg/ml and 0.8 µg/ml, respectively.
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Formula</b>	$C_{53}H_{100}N_{16}O_{13} \cdot XH_2SO_4$
<b>Purity</b>	98.00%
<b>MW</b>	1169.50
<b>CAS Number</b>	207990-63-4
<b>SMILES</b>	<chem>NCC[C@@H](C(N[C@H]1CCNC([C@@]([C@H](O)C)([H])NC([C@@H](NC([C@@H](NC([C@@H](NC([C@H](NC([C@@H](NC1=O)CCN)=O)CC(C)C)=O)CC(C)C)=O)CCN)=O)CCN)=O)=O)NC([C@H]([C@H](O)C)NC([C@@H](NC(CCCC[C@@H](C)C)=O)CCN)=O)=O.O=S(O)(O)=O</chem>
<b>Expiration Date</b>	12 months from date of receipt.

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