

## Product Datasheet

### Polymyxin E2 sulfate (orb1979961)

<b>Description</b>	Polymyxin E2, a key component of the cationic lipopeptide antibiotic colistin, was originally derived from <i>B. polymyxa</i> and serves as a peptide antibiotic. It exhibits effective antibacterial activity against the plant pathogen <i>X. oryzae</i> , with an EC50 value of 0.21 µg/ml, and has been shown to both prevent and mitigate rice bacterial leaf blight in greenhouse experiments at a dosage of 200 µg/ml.
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Formula</b>	$C_{52}H_{98}N_{16}O_{13} \cdot XH_2SO_4$
<b>Purity</b>	98.00%
<b>MW</b>	1155.40
<b>CAS Number</b>	1338055-88-1
<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)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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