

## Product Information

### Zidebactam, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1438

**Size:** 5 mg; 10 mg; 50 mg; 100 mg

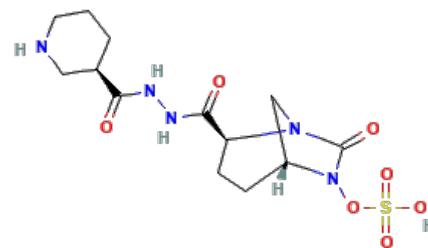
**CAS Number:** 1436861-97-0

**Compound CID:** 77846445

**Synonym:** 1436861-97-0; WCK-5107; WCK5107; WCK 5107;

[(2*S*,5*R*)-7-Oxo-2-[[[(3*R*

)-piperidine-3-carbonyl]amino]carbamoyl]-1,6-diazabicyclo[3.2.1]octan-6-yl] hydrogen sulfate



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

#### Product Information

<b>Description</b>	Zidebactam is a potent $\beta$ -lactamase inhibitor. The molecular weight of the compound is 391.4, and its molecular formula is $C_{13}H_{21}N_5O_7S$ .
<b>Molecular Weight</b>	391.4
<b>Molecular Formula</b>	$C_{13}H_{21}N_5O_7S$
<b>IUPAC Name</b>	[(2 <i>S</i> ,5 <i>R</i> )-7-Oxo-2-[[[(3 <i>R</i> )-piperidine-3-carbonyl]amino]carbamoyl]-1,6-diazabicyclo[3.2.1]octan-6-yl] hydrogen sulfate
<b>InChI</b>	InChI=1S/C13H21N5O7S/c19-11(8-2-1-5-14-6-8)15-16-12(20)10-4-3-9-7-17(10)13(21)18(9)25-26(2,23)24/h8-10,14H,1-7H2,(H,15,19)(H,16,20)(H,22,23,24)/t8-,9-,10+/m1/s1
<b>InChI Key</b>	YCZPXRQPDCXTIO-BBBLOLIVSA-N
<b>Canonical SMILES</b>	<chem>C1CC(CNC1)C(=O)NNC(=O)C2CCC3CN2C(=O)N3OS(=O)(=O)O</chem>
<b>Isomeric SMILES</b>	<chem>C1C[C@H](N2C[C@@H]1N(C2=O)OS(=O)(=O)O)C(=O)NOCCN</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Zidebactam can be studied extensively for its potential therapeutic applications in the treatment of multidrug-resistant bacterial infections.



**Storage**

Store at -20°C, and keep desiccated.

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