

Product Information

Avibactam, Purity $\geq 98\%$

Cat. No.: X24-09-YM1090

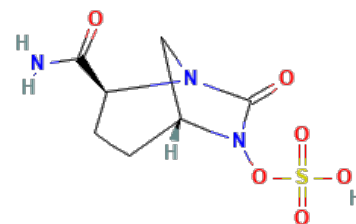
Size: 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 1192500-31-4

Compound CID: 9835049

Synonym: 1192500-31-4; Avibactam free acid; AVE-1330A free acid; Avibactam (free acid); [(2*S*,5*R*)-2-Carbamoyl-7-oxo-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

Description	Avibactam is a covalent, reversible, non- β -lactam β -lactamase inhibitor. The molecular weight of the compound is 265.3, and its molecular formula is $C_7H_{11}N_3O_6S$.
Molecular Weight	265.3
Molecular Formula	$C_7H_{11}N_3O_6S$
IUPAC Name	[(2 <i>S</i> ,5 <i>R</i>)-2-Carbamoyl-7-oxo-1,6-diazabicyclo[3.2.1]octan-6-yl] hydrogen sulfate
InChI	InChI=1S/C7H11N3O6S/c8-6(11)5-2-1-4-3-9(5)7(12)10(4)16-17(13,14)15/h4-5H,1-3H2,(H2,8,11)(H,13,14,15)/t4-,5+/m1/s1
InChI Key	NDCUAPJVLWFHHB-UHNVWZDZSA-N
Canonical SMILES	<chem>C1CC(N2CC1N(C2=O)OS(=O)(=O)O)C(=O)N</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Avibactam can be studied extensively for its potential therapeutic applications in the treatment of infections caused by drug-resistant bacteria.
Storage	Store at -20°C , and keep desiccated.