Avibactam Inhibitor

PRODUCT OVERVIEW

Product Name	Avibactam, Inhibitor
Full Product Name	Avibactam
Form/Format	POWDER
Purity/Purification	100.0%
Preparation and Storage	For 3 years at -20 degree C (powder) For 2 years -80 degree C in solvent.
Molecular Weight	287.222
CAS	1192491-61-4
Formula	C7H10N3NaO6S
Pathways	Microbiology & Virology
Target	P99 beta-lactamases; TEM-1 beta-lactamases; CTX-M-15; KPC-2 beta-lactamases; P99 beta-lactamases; TEM-1 beta-lactamases
Smiles	C1C[C@H](N2C[C@@H]1N(C2=O)OS(=O)(=O)[O-])C(=O)N.[Na+]
Receptor	CTX-M-15; KPC-2 beta-lactamases; P99 beta-lactamases; TEM-1 beta-lactamases
Bioactivity	Avibactam is a covalent, reversible, beta-lactamase inhibitor with IC50 values of 8, 80, and 38 nM for TEM-1, P99, and KPC-2 beta-lactamases, respectively.
Solubility Note	For obtaining a higher solubility, please warm the tube at 37 degree C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 degree C for several month.
Product Categories/Family for Avibactam, inhibitor	Inflammation
Related Product Information for Avibactam, inhibitor	MBS5750064 is an inhibitor targeting Avibactam.
Product References and Citations for Avibactam, inhibitor	1. Ehmann DE, et al. Avibactam is a covalent, reversible, non-beta-lactam beta-lactamase inhibitor. Proc Natl Acad Sci U S A. 2012 Jul 17; 109 (29):11663-8.
Other Notes	Small volumes of Avibactam, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/inhibitor/avibactam/5750064