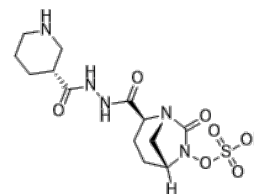


Product Name : Zidebactam
Cat. No. : PC-23241
CAS No. : 1436861-97-0
Molecular Formula : C₁₃H₂₁N₅O₇S
Molecular Weight : 391.40
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Zidebactam (WCK-5107) is a β -Lactam Enhancer, inhibitor of class A, class C and some class D **β -lactamases** with MIC of <2 ug/mL for most Escherichia coli, Klebsiella, Citrobacter and Enterobacter spp., also binds to penicillin-binding protein2 (PBP2).

Zidebactam (WCK-5107) showed specific PBP2 inhibition and did not inhibit VIM-2.

Zidebactam (WCK-5107) exhibits direct antibacterial activity and a β -lactamase-independent 'enhancer' effect, potentiating β -lactams targeting PBP3.

References

Moya B, et al. *Antimicrob Agents Chemother*. 2017 May 24;61(6):e02529-16.

Livermore DM, et al. *J Antimicrob Chemother*. 2017 May 1;72(5):1373-1385.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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