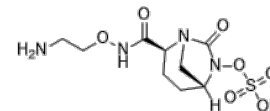


Product Name : Nacubactam
Cat. No. : PC-62613
CAS No. : 1452458-86-4
Molecular Formula : C₉H₁₆N₄O₇S
Molecular Weight : 324.31
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Nacubactam (OP 0595, RG 6080, RO 7079901) is a diazabicyclooctane that inhibits class A and C **β-lactamases** with IC₅₀ of <1 uM, also acts as a PBP2-active antibacterial.

Nacubactam exhibits MICs of 0.5 to 4 μg/ml for most members of the family Enterobacteriaceae, owing to inhibition of PBP2.

Nacubactam has MICs of 1-4 mg/ml for Escherichia coli, Enterobacter, Citrobacter and Klebsiella spp.

Nacubactam increases the antibacterial activity of cefepime in both in vitro and in vivo.

References

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

E-mail: tech@probechem.com