
Product Data Sheet

Product Name: Taniborbactam

Cat. No.: GC32353

Chemical Properties

Cas. No. 1613267-49-4

SMILES OC(C1=C(OB(O)[C@@H](NC(C[C@@H]2CC[C@@H](NCCN)CC2)=O)C3)C3=CC=C1)=OFormula C₁₉H₂₈BN₃O₅ M.Wt 389.25

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Taniborbactam is a potent inhibitor of β -lactamase, with IC₅₀s of <100 nM for SHV-5, KPC-2, VIM-2, and AmpC β -lactamase, and 0.1 to 1 μ M for OXA-1 β -lactamase, used in the research of bacterial infections[1].

Taniborbactam (Example 15) is a potent inhibitor of β -lactamase, with IC₅₀s of <100 nM for SHV-5, KPC-2, VIM-2, and AmpC β -lactamase, and 0.1 to 1 μ M for OXA-1 β -lactamase, used in the research of bacterial infections[1].

[1]. Christopher J. Burns, et al. Beta-lactamase inhibitors. WO2014089365A1

Caution: Product has not been fully validated for medical applications. For research use only.

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