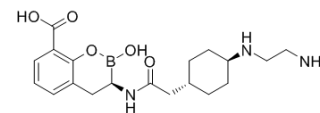


## Taniborbactam

Cat. No.:	HY-109124
CAS No.:	1613267-49-4
Molecular Formula:	C <sub>19</sub> H <sub>28</sub> BN <sub>3</sub> O <sub>5</sub>
Molecular Weight:	389.25
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	Taniborbactam is a potent inhibitor of $\beta$ -lactamase, with IC <sub>50</sub> s of <100 nM for SHV-5, KPC-2, VIM-2, and AmpC $\beta$ -lactamase, and 0.1 to 1 $\mu$ M for OXA-1 $\beta$ -lactamase, used in the research of bacterial infections <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : <100 nM (SHV-5 $\beta$ -lactamase), <100 nM (KPC-2 $\beta$ -lactamase), <100 nM (VIM-2 $\beta$ -lactamase), <100 nM (AmpC $\beta$ -lactamase), 0.1 to 1 $\mu$ M (OXA-1 $\beta$ -lactamase) <sup>[1]</sup>
In Vitro	Taniborbactam (Example 15) is a potent inhibitor of $\beta$ -lactamase, with IC <sub>50</sub> s of <100 nM for SHV-5, KPC-2, VIM-2, and AmpC $\beta$ -lactamase, and 0.1 to 1 $\mu$ M for OXA-1 $\beta$ -lactamase, used in the research of bacterial infections <sup>[1]</sup> .

### REFERENCES

[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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