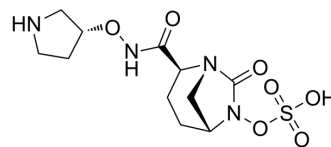


## FPI-1465

Cat. No.:	HY-139744
CAS No.:	1452458-70-6
Molecular Formula:	C <sub>11</sub> H <sub>18</sub> N <sub>4</sub> O <sub>7</sub> S
Molecular Weight:	350.35
Target:	Bacterial; Beta-lactamase; Penicillin-binding protein (PBP)
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

FPI-1465 acts as a dual inhibitor of serine- $\beta$ -Lactamases and Penicillin-binding proteins (PBPs). FPI-1465 inhibits PBP2 (IC<sub>50</sub>=1.0  $\mu$ g/mL). FPI-1465 exhibits activity against  $\beta$ -lactamase CTX-M-15 and OXA-48 with K<sub>d</sub>s of 0.011 and 5.3  $\mu$ M, respectively<sup>[1]</sup>.

## REFERENCES

[1]. Andrew M King, et al. Structural and Kinetic Characterization of Diazabicyclooctanes as Dual Inhibitors of Both Serine- $\beta$ -Lactamases and Penicillin-Binding Proteins. ACS Chem Biol. 2016 Apr 15;11(4):864-8.

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

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