**Xeruborbactam**

**Cat. No.:** HY-136069

**CAS No.:** 2170834-63-4

**Molecular Formula:** $C_{10}H_8BFO_4$

**Molecular Weight:** 221.98

**Target:** Bacterial

**Pathway:** Anti-infection

**Storage:** Please store the product under the recommended conditions in the Certificate of Analysis.

**BIOLOGICAL ACTIVITY**

**Description**

Xeruborbactam (QPX7728) is a potent, ultra-broad-spectrum boronic acid beta-lactamase inhibitor. Xeruborbactam inhibits key serine and metallo beta-lactamases at a nano molar range\(^1\).

**IC\(_{50}\) & Target**

**Beta-lactamase\(^1\)**

**In Vitro**

Xeruborbactam is a potent inhibitor of Class D carbapenemases from A. baumannii\(^1\).

Xeruborbactam is minimally affected by the activity of major MDR efflux pumps from P. aeruginosa, representing a significant improvement over the earlier generation boronate beta-lactamase inhibitor (BLI) vaborbactam\(^1\).

The ultra-broad-spectrum beta-lactamase inhibition profile combined with enhancement of the activity of multiple beta-lactam antibiotics with varying sensitivity to the intrinsic resistance mechanisms of efflux and permeability indicate Xeruborbactam is a useful inhibitor for use with multiple beta-lactam antibiotics\(^1\).

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**REFERENCES**