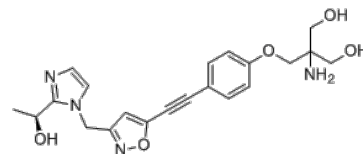


**Product Name** : LpxC-IN-5  
**Cat. No.** : PC-38420  
**CAS No.** : 2253951-38-9  
**Molecular Formula** : C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>5</sub>  
**Molecular Weight** : 412.44  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

LpxC-IN-5 is a potent non-hydroxamate LpxC (UDP-3-O-acyl-N-acetylglucosamine deacetylase) inhibitor with IC<sub>50</sub> of 20 nM, shows antibacterial activity against *E. coli* ATCC25922, *P. aeruginosa* ATCC27853, *K. pneumoniae* ATCC13883 and *P. aeruginosa* 5567 with MIC of 16, 4, 64, and 4 ug/mL, respectively.

## References

Yamada Y, et al. *J Med Chem.* 2020;10.1021/acs.jmedchem.0c01215.

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

E-mail: tech@probechem.com