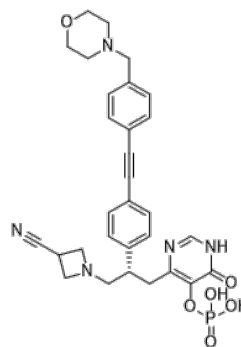


Product Name : FG-2101
Cat. No. : PC-24393
CAS No. : 2919723-66-1
Molecular Formula : C₃₀H₃₂N₅O₆P
Molecular Weight : 589.59
Target : Bacterial
Solubility : 10 mM in DMSO



CAS: 2919723-66-1

Biological Activity

FG-2101 (FG2101) is a potent, in vivo active, non-hydroxamate inhibitor of LpxC with IC₅₀ of 1 nM, exhibits exquisite selectivity over other bacterial and human metalloenzymes (>10,000-fold).

FG-2101 exhibits potent activity against most Enterobacterales, including *Escherichia coli*, *Klebsiella pneumoniae*, *Proteus mirabilis*, *Enterobacter*, *Citrobacter*, *Salmonella*, *Shigella*, and *Campylobacter* spp., along with biothreat pathogens *Francisella tularensis* and *Yersinia pestis*.

FG-2101 is efficacious in multiple animal models of Gram-negative infection including drug-resistant strains via IV and oral routes of administration, does not display preclinical toxicity observed with previous hydroxamate-based inhibitors.

References

Patent WO2023055686 A1.

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

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