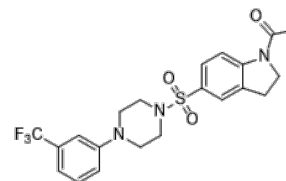


Product Name : LpxH inhibitor AZ1
Cat. No. : PC-25649
CAS No. : 901260-40-0
Molecular Formula : C₂₁H₂₂F₃N₃O₃S
Molecular Weight : 453.48
Target : Bacterial
Solubility : 10 mM in DMSO



CAS: 901260-40-0

Biological Activity

LpxH inhibitor AZ1 is the first reported inhibitor of LpxH with K_i of 53.4 nM for E. coli LpxH, shows MIC of 0.25 ug/mL against E. coli MG1655 ΔtolC, AZ1 inhibits 75% of the activity of K. pneumoniae LpxH at 1 uM. LpxH catalyzes the fourth step in the synthesis of lipid A, the outer membrane anchor of lipopolysaccharide (LPS).

References

Dome PA, et al. ACS Infect Dis. 2025 Oct 27. doi: 10.1021/acsinfecdis.5c00625.

Asha S Nayar, et al. J Bacteriol. 2015 May;197(10):1726-34.

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

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