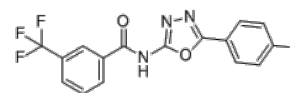


Product Name : KKL-40
Cat. No. : PC-61266
CAS No. : 865285-47-8
Molecular Formula : C₁₆H₉F₄N₃O₂
Molecular Weight : 351.261
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

KKL-40 is a small-molecule inhibitor of bacterial ribosome rescue that exhibits broad-spectrum **antimicrobial** activity against bacteria grown in liquid culture.

KKL-40 exhibited exceptional antimicrobial activity against both attenuated (LVS) and fully virulent strains of *F. tularensis* (Schu S4) in vitro with MIC of 0.12 and 0.44 ug/mL, respectively.

KKL-40 arrests intracellular growth of *F. tularensis* during all stages of infection, does not affect macrophage viability or function.

References

Goralski TD, et al. *Antimicrob Agents Chemother.* 2016 May 23;60(6):3276-82.

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

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