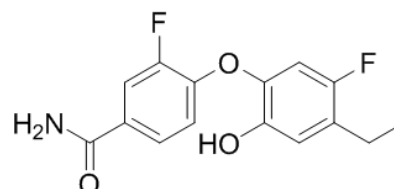


**Product Name** : MUT-056399  
**Cat. No.** : PC-45426  
**CAS No.** : 1269055-85-7  
**Molecular Formula** : C<sub>15</sub>H<sub>13</sub>F<sub>2</sub>NO<sub>3</sub>  
**Molecular Weight** : 293.2654  
**Target** : Bacterial  
**Solubility** : DMSO: ≥ 31 mg/mL



### Biological Activity

A novel, highly potent inhibitor of the FabI enzyme of both *Staphylococcus aureus* and *Escherichia coli*; shows activity against *S. aureus* strains, including MSSA, MRSA, linezolid-resistant, and multidrug-resistant strains with MIC<sub>90</sub>s of 0.03-0.12 ug/ml; also has active against coagulase-negative staphylococci with MIC<sub>90</sub>s of 0.12-4 ug/ml; active in vivo (19.3-49.6 mg/kg/day).

Bacterial Infection  
Preclinical

### References

Escaich S, et al. *Antimicrob Agents Chemother.* 2011 Oct;55(10):4692-7.

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

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