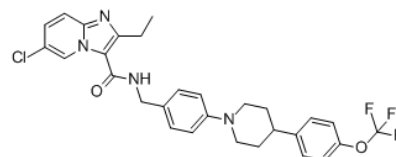


**Product Name** : Q203  
**Cat. No.** : PC-42302  
**CAS No.** : 1334719-95-7  
**Molecular Formula** : C<sub>29</sub>H<sub>28</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 557.0064296  
**Target** : Bacterial  
**Solubility** : DMSO: 10 mM



## Biological Activity

A novel potent anti-tuberculosis agent targeting cytochrome b subunit qcrB, inhibits *M. tuberculosis* H37Rv with MIC<sub>50</sub> of 2.7 nM; does not inhibit any of the cytochrome P450 (CYP450) isoenzymes; targets the respiratory cytochrome bc<sub>1</sub> complex and triggers a rapid ATP depletion in *M. tuberculosis*, also inhibits the growth of MDR and XDR *M. tuberculosis*; demonstrates potency in mouse model of tuberculosis and displays pharmacokinetic and safety profiles.

Bacterial Infection  
Phase 1 Clinical

## References

- Pethe K, et al. *Nat Med.* 2013 Sep;19(9):1157-60.  
Kang S, et al. *J Med Chem.* 2014 Jun 26;57(12):5293-305.  
Jang J, et al. *Antimicrob Agents Chemother.* 2017 Jun 27;61(7). pii: e02637-16.

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

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