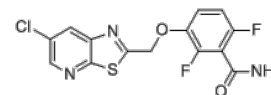


**Product Name** : PC190723  
**Cat. No.** : PC-47012  
**CAS No.** : 951120-33-5  
**Molecular Formula** : C<sub>14</sub>H<sub>8</sub>ClF<sub>2</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 355.744  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

PC190723 is a small molecule inhibitor of **FtsZ** with potent and selective anti-staphylococcal activity, inhibits FtsZ and prevents cell division.

PC190723 has potent and selective in vitro bactericidal activity against staphylococci, including methicillin- and multi-drug-resistant *Staphylococcus aureus*.

PC190723 is efficacious in an in vivo model of infection, curing mice infected with a lethal dose of *S. aureus*.

PC190723 acts synergistically with  $\beta$ -lactam antibiotics in vitro and in vivo.

## References

Sedelnikova SE, et al. *Science*. 2008 Sep 19;321(5896):1673-5.

Andreu JM, et al. *J Biol Chem*. 2010 May 7;285(19):14239-46.

Tan CM, et al. *Sci Transl Med*. 2012 Mar 21;4(126):126ra35.

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

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