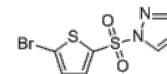


**Product Name** : Qstatin  
**Cat. No.** : PC-35527  
**CAS No.** : 902688-24-8  
**Molecular Formula** : C<sub>7</sub>H<sub>5</sub>BrN<sub>2</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 293.153  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Qstatin is a potent **SmcR** inhibitor in *V. vulnificus*. with IC<sub>50</sub> of 208.9 nM, shows pan-QS (quorum sensing) inhibitor activity in diverse *Vibrio* species.

Qstatin binds tightly to a putative ligand-binding pocket on SmcR, the LuxR homologue in *V. vulnificus*, and affects expression of QS-regulated genes.

## References

Kim BS, et al. MBio. 2018 Jan 30;9(1). pii: e02262-17.

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

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