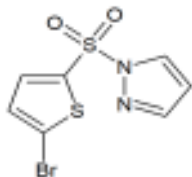


# Qstatin

**ALTERNATE NAME:** 1-(5-Bromothiophene-2-sulfonyl)-1H-pyrazole  
Q-statin

**CATALOG #:** B2618-5 5 mg  
B2618-25 25 mg



**MOLECULAR FORMULA:** C<sub>7</sub>H<sub>5</sub>BrN<sub>2</sub>O<sub>2</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 293.15

**CAS NUMBER:** 902688-24-8

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** DMSO

**DESCRIPTION:** Qstatin is a potent, and selective Vibrio QS inhibitor which affects Vibrio harveyi LuxR homologues, the well-conserved master transcriptional regulators for QS in Vibrio species. QStatin binds tightly to a putative ligand-binding pocket in SmcR, the LuxR homologue in V. vulnificus, and changes the flexibility of the protein, thereby altering its transcription regulatory activity.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**DISCLAIMER:** ***FOR RESEARCH USE ONLY! Not to be used on humans.***