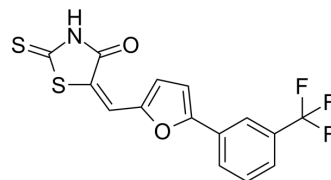


## CCR-11

Cat. No.:	HY-119648
CAS No.:	1287652-03-2
Molecular Formula:	C <sub>15</sub> H <sub>8</sub> F <sub>3</sub> NO <sub>2</sub> S <sub>2</sub>
Molecular Weight:	355.35
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CCR-11 is an antibacterial agent. CCR-11 can inhibit the proliferation of <i>B. subtilis</i> cells with an IC <sub>50</sub> value of 1.2 μM. CCR-11 inhibits HeLa cell proliferation with an IC <sub>50</sub> value of 18.1 μM. CCR-11 inhibits bacterial cytokinesis by inhibiting FtsZ assembly. CCR-11 can be used for the research of FtsZ-targeted antibacterial agents <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 1.2 μM ( <i>B. subtilis</i> ); 18.1 μM (HeLa cell) <sup>[1]</sup> .

### REFERENCES

[1]. Singh P, et al. A rhodanine derivative CCR-11 inhibits bacterial proliferation by inhibiting the assembly and GTPase activity of FtsZ. *Biochemistry*. 2012 Jul 10;51(27):5434-42.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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