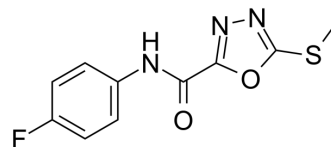


## Antibacterial agent 178

Cat. No.:	HY-161172
Molecular Formula:	C <sub>10</sub> H <sub>8</sub> FN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	253.25
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antibacterial agent 178 (compound A10) is a potent antibacterial agent. Antibacterial agent 178 shows antibacterial activities for *Xanthomonas oryzae* pv. *oryzae* and *Xanthomonas oryzae* pv. *oryzicola* with EC<sub>50</sub>s of 5.32 mg/L and 7.58 mg/L, respectively. Antibacterial agent 178 targets the translational regulator (CsrA) and the virulence regulator (Xoc3530)<sup>[1]</sup>.

### REFERENCES

[1]. Zhang A, et al. Synthesis, Bioactivities, and Antibacterial Mechanism of 5-(Thioether)-N-phenyl/benzyl-1,3,4-oxadiazole-2-carboxamide/amine Derivatives. *J Agric Food Chem.* 2024 Jan 24;72(3):1444-1453.

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

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