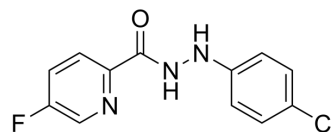


## Antibacterial agent 142

Cat. No.:	HY-149286
Molecular Formula:	C <sub>12</sub> H <sub>9</sub> ClFN <sub>3</sub> O
Molecular Weight:	265.67
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Antibacterial agent 142, an aromatic hydrazidesis, has antibacterial activity. Antibacterial agent 142 has bacteriostatic and inhibits biofilm formation <sup>[1]</sup> .
<b>In Vitro</b>	Antibacterial agent 142 (compound 3e; A. baumannii strains) has MIC values of ≤0.125 µg/mL for 13-20 strains each (30-46% of all strains) <sup>[1]</sup> . Antibacterial agent 142 (0-32 µg/mL; A. baumannii ATCC 19606) has modest biofilm inhibition effect at sub-MIC concentrations, inhibiting biofilm formation by 30-50% <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Green KD, et, al. Aromatic hydrazides: A potential solution for Acinetobacter baumannii infections. Eur J Med Chem. 2023 Mar 5;249:115165.

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

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