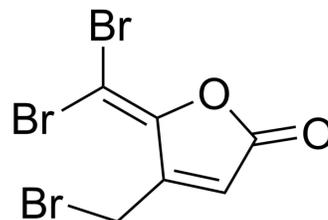


## Antibacterial synergist 2

Cat. No.:	HY-N10572
CAS No.:	2831355-88-3
Molecular Formula:	C <sub>6</sub> H <sub>3</sub> Br <sub>3</sub> O <sub>2</sub>
Molecular Weight:	346.8
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 synergist 2 (compound 27) is a biofilm inhibitor. Antibacterial synergist 2 shows inhibitory effects to <i>S. enterica</i> , <i>S. aureus</i> , <i>P. aeruginosa</i> and <i>C. albicans</i> . Antibacterial synergist 2 can be used for the research related to biofilm-forming pathogens <sup>[1]</sup> .								
<b>In Vitro</b>	<p>Antibacterial synergist 2 (50 μM; 24 h) inhibits <i>S. enterica</i>, <i>S. aureus</i>, <i>P. aeruginosa</i> and <i>C. albicans</i> by 72%, 71%, 60% and 51%<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>Human kidney cells</td> </tr> <tr> <td>Concentration:</td> <td>50 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 hours</td> </tr> <tr> <td>Result:</td> <td>Proved toxic to human kidney cells.</td> </tr> </table>	Cell Line:	Human kidney cells	Concentration:	50 μM	Incubation Time:	48 hours	Result:	Proved toxic to human kidney cells.
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### REFERENCES

[1]. Gómez AC, et al. Synthesis and evaluation of novel furanones as biofilm inhibitors in opportunistic human pathogens. *Eur J Med Chem.* 2022 Nov 15;242:114678.

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

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