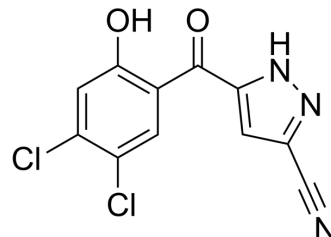


Antibacterial agent 83

| | |
|--------------------|---|
| Cat. No.: | HY-143326 |
| CAS No.: | 2413865-92-4 |
| Molecular Formula: | C ₁₁ H ₅ Cl ₂ N ₃ O ₂ |
| Molecular Weight: | 282.08 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Antibacterial agent 83 (compound 17h) displays potent antibacterial activity against various vancomycin-resistant <i>Enterococcus faecalis</i> (VRE) and methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). Antibacterial agent 83 can significantly reduce the biofilm formation of MRSA and exhibited promising selectivity. Antibacterial agent 83 is metabolically stable in human liver microsomes ^[1] . |
| In Vitro | Antibacterial agent 83 (compound 17h) shows antibacterial activity against Newman, USA300b, and Mu50, with MIC of 0.25 µg/mL all ^[1] . Antibacterial agent 83 performs poor stability in the liver microsomes of rat, mouse and dog ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Huan X, et al. Design, synthesis, and biological evaluations of substituted pyrazoles as pyrrolomycin analogues against staphylococcal biofilm. *Eur J Med Chem.* 2022 Jun 5;236:114309.

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

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