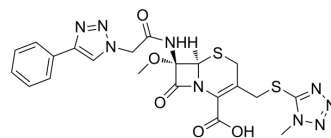


## Antibacterial agent 172

Cat. No.:	HY-163142
CAS No.:	3023114-93-1
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> N <sub>9</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	543.58
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antibacterial agent 172 (Compound 6a) is a Clostridioides difficile (Cd) SpoVD inhibitor (IC <sub>50</sub> =89 nM) that effectively inhibits sporulation of Clostridioides difficile. Antibacterial agent 172 can be used in the study of bacterial infections <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 89 nM (Cd) SpoVD <sup>[1]</sup> .

### REFERENCES

[1]. Cun WY, et al. Design, Synthesis, and Evaluation of Cephamycin-Based Antisporulation Agents targeting Clostridioides difficile. J Med Chem. 2024 Jan 11;67(1):450-466.

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

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