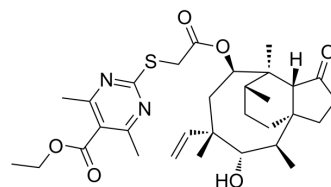


Antibacterial agent 88

Cat. No.:	HY-146593
Molecular Formula:	C ₃₁ H ₄₄ N ₂ O ₆ S
Molecular Weight:	572.76
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 88 (Compound 5h) is a potent antibacterial agent with MIC values of both ≤ 0.0156 $\mu\text{g/mL}$ against MRSA, MRSE and <i>S. aureus</i> . Antibacterial agent 88 also inhibits <i>B. subtilis</i> with an MIC of 4 $\mu\text{g/mL}$ ^[1] .
In Vivo	Antibacterial agent 88 (Compound 5h) exhibits potent in vivo antibacterial effects to significantly improve the survival rate of mice (ED ₅₀ = 16.14 mg/kg) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhou Y, et al. Discovery of novel pleuromutilin derivatives as potent antibacterial agents. *Eur J Med Chem.* 2022 Jul 5;237:114403.

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

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