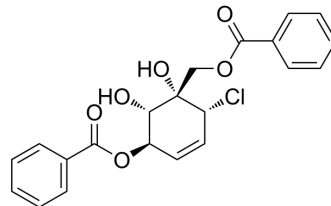


BO-1

Cat. No.:	HY-149333
Molecular Formula:	C ₂₁ H ₁₉ ClO ₆
Molecular Weight:	402.82
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BO-1 is a benzoate ester with antibacterial activity. BO-1 inhibits multidrug-resistant Staphylococcus aureus, and acts function synergistically with antibiotic, such as Ciprofloxacin (HY-B0356). BO-1 can reverse the resistance of antibiotic-resistant S. aureus strains, and decreases the level of inflammatory factors IL-6 and C-reactive protein in vivo in mice ^[1] .
IC ₅₀ & Target	Multidrug-resistant Staphylococcus aureus ^[1]

REFERENCES

[1]. Xiao CY, et al. Natural Product BO-1 as an Inner Responsive Molecule Inhibits Antimicrobial-Resistant Staphylococcus aureus via Synergism. ACS Infect Dis. 2023 Aug 11;9(8):1523-1533.

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

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