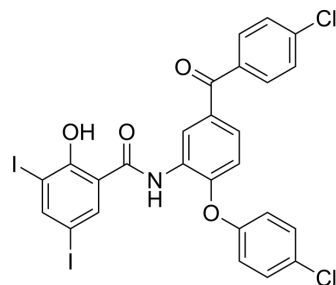


Antibacterial agent 116

Cat. No.:	HY-150063
CAS No.:	99330-28-6
Molecular Formula:	C ₂₆ H ₁₅ Cl ₂ I ₂ NO ₄
Molecular Weight:	730.12
Target:	Bacterial; Penicillin-binding protein (PBP)
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 116 is a benzophenone-containing salicylanilide compound. Antibacterial agent 116 has potent antibacterial activity by inhibiting the peptidoglycan formation. Antibacterial agent 116 is used as a photoaffinity probe to label <i>Acinetobacter baumannii</i> penicillin-binding protein (PBP1b), block the propagation pathway to disrupt the growth of peptidoglycan chain ^[1] .
In Vitro	Antibacterial agent 116 (compound 1) can photo-label <i>A. baumannii</i> PBP1b, targets to R367 and E372 binding site ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chuang HC, et al. Photoaffinity labeling of benzophenone-containing salicylanilide compounds to give an insight into the mechanism in disrupting peptidoglycan formation. *Bioorg Med Chem*. 2022 Aug 1;67:116819.

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

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