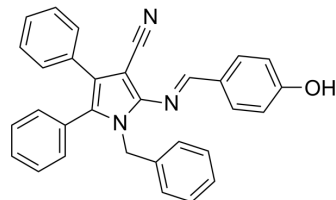


Metallo- β -lactamase-IN-11

Cat. No.:	HY-155504
Molecular Formula:	C ₃₁ H ₂₃ N ₃ O
Molecular Weight:	453.53
Target:	Bacterial; Beta-lactamase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Metallo- β -lactamase-IN-11 (compound 5f) is a Metallo- β -lactamases (MBLs) inhibitor, potent against bacterial metallophyllactamase CphA (IC₅₀=45 μ M). Metallo- β -lactamase-IN-11 (10 μ M) inhibits NDM-1 by 49% and AIM-1 by 61%. Metallo- β -lactamase-IN-11 can be used in the research of inhibiting antibiotic resistance^[1].

REFERENCES

[1]. Kurz JL, et al. Inhibitors for metallo- β -lactamases from the B1 and B3 subgroups provide an avenue to combat a major mechanism of antibiotic resistance. *Bioorg Med Chem Lett.* 2023 Jun 25;92:129387.

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

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