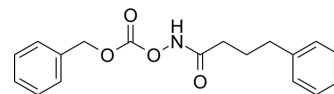


Metallo- β -lactamase-IN-12

Cat. No.:	HY-161094
CAS No.:	3028594-43-3
Molecular Formula:	C ₁₈ H ₁₉ NO ₄
Molecular Weight:	313.35
Target:	Beta-lactamase; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Metallo- β -lactamase-IN-12 is a dual inhibitor of metal β -lactamases (M β Ls (NDM-1, IMP-1)) and serine β -lactamases (S β Ls (OXA-48, KPC-2)), with IC ₅₀ values of 0.64 μ M, 1.32 μ M, 1.01 μ M, and 0.57 μ M, respectively. Metallo- β -lactamase-IN-12 has antibacterial activity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.64 μ M (NDM-1) ^[1] . IC ₅₀ : 1.32 μ M (IMP-1) ^[1] . IC ₅₀ : 1.01 μ M (OXA-48) ^[1] . IC ₅₀ : 0.57 μ M (KPC-2) ^[1] .

REFERENCES

[1]. Wu XR, et al. Discovery of hydroxamate as a promising scaffold dually inhibiting metallo- and serine- β -lactamases. Eur J Med Chem. 2023 Dec 16;265:116055.

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

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