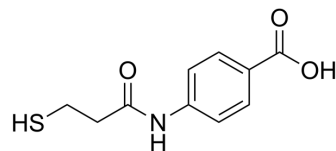


Metallo- β -lactamase-IN-3

Cat. No.:	HY-144261
CAS No.:	128294-71-3
Molecular Formula:	C ₁₀ H ₁₁ NO ₃ S
Molecular Weight:	225.26
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-3 (compound 35) is a potent metallo- β -lactamases (MBL) inhibitor. Metallo- β -lactamase-IN-3 shows high activity against VIM-1 and NDM-1, with IC ₅₀ of 0.6 and 1.0 μ M, respectively. Metallo- β -lactamase-IN-3 does not show inhibition of IMP-7 ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.6 \pm 0.0 μ M (VIM-1), 1.0 \pm 0.4 μ M (NDM-1), > 10 μ M (IMP-7) ^[1]

REFERENCES

[1]. Kaya C, et al. N-Aryl Mercaptopropionamides as Broad-Spectrum Inhibitors of Metallo- β -Lactamases. J Med Chem. 2022 Mar 10;65(5):3913-3922.

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

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