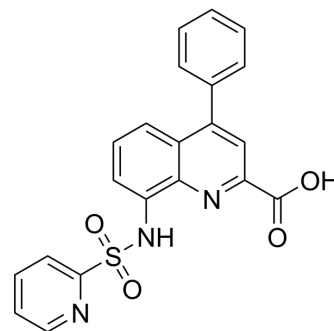


YJ182

Cat. No.:	HY-155201
Molecular Formula:	C ₂₁ H ₁₅ N ₃ O ₄ S
Molecular Weight:	405.43
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	YJ182 is a NDM-1 inhibitor (IC ₅₀ : 0.23 μM). YJ182 also inhibits IMP-1, VIM-2, GIM-1, and MMP-2, with IC ₅₀ s of 0.25, 0.61, 0.49, and 6.92 μM respectively. YJ182 can be used for bacterial infection research ^[1] .
IC ₅₀ & Target	0.23 μM (NDM-1) ^[1]

REFERENCES

[1]. Jia Y, et al. Kinetics, Thermodynamics, and Structural Effects of Quinoline-2-Carboxylates, Zinc-Binding Inhibitors of New Delhi Metallo-β-lactamase-1 Re-sensitizing Multidrug-Resistant Bacteria for Carbapenems. *J Med Chem.* 2023 Sep 14;66(17):11761-11791.

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

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