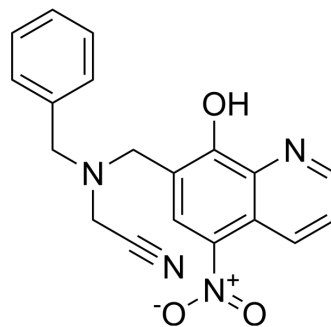


Metallo- β -lactamase-IN-5

Cat. No.:	HY-144659
CAS No.:	1417737-65-5
Molecular Formula:	C ₁₉ H ₁₆ N ₄ O ₃
Molecular Weight:	348.36
Target:	Apoptosis; Bacterial; Beta-lactamase
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Metallo- β -lactamase-IN-5 (compound 5c) is a potent metallo- β -lactamases (MBL) inhibitor. Metallo- β -lactamase-IN-5 shows inhibitory activity against MBLs NDM-1 and VIM-1. Metallo- β -lactamase-IN-5 inhibits HUVECs with an IC₅₀ of 45 μ g/mL. Metallo- β -lactamase-IN-5 plus Imipenem exhibits synergistic antimicrobial activity^[1].

REFERENCES

[1]. Proschak A, Martinelli G, Frank D, Rotter MJ, Brunst S, Weizel L, Burgers LD, Fürst R, Proschak E, Sosič I, Gobec S, Wichelhaus TA. Nitroloxline and its derivatives are potent inhibitors of metallo- β -lactamases. *Eur J Med Chem.* 2022 Jan 15;228:113975.

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

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