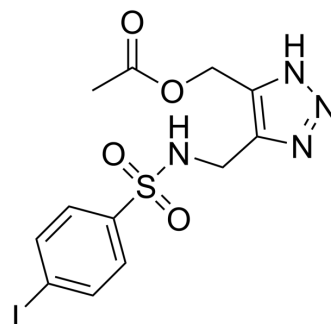


VIM-2-IN-1

Cat. No.:	HY-146637
CAS No.:	2452118-54-4
Molecular Formula:	C ₁₂ H ₁₃ IN ₄ O ₄ S
Molecular Weight:	436.23
Target:	Bacterial; Beta-lactamase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VIM-2-IN-1 (compound 1dj) is a β -lactamase inhibitor with antibacterial activities. VIM-2-IN-1 has moderate IC ₅₀ values of 23 μ M, 48 μ M and 231 μ M for Verona integron-encoded metallo- β -lactamase (VIM-2), German imipenemase-1 (GIM-1) and New Delhi metallo- β -lactamase (NDM-1), respectively ^[1] .
IC ₅₀ & Target	IC50: 23 μ M (VIM-2), 48 μ M (GIM-1) and 231 μ M (NDM-1) ^[1] .

REFERENCES

[1]. Zeeshan Muhammad, et al. Structural studies of triazole inhibitors with promising inhibitor effects against antibiotic resistance metallo- β -lactamases. *Bioorg Med Chem.* 2020 Aug 1;28(15):115598.

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

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