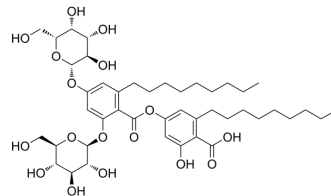


PTP1B-IN-25

Cat. No.:	HY-163463
Molecular Formula:	C ₄₄ H ₆₆ O ₁₇
Molecular Weight:	866.98
Target:	Phosphatase; Fungal; HIV; Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PTP1B-IN-25 (Compound 19) is a PTP1B inhibitor with remarkable antiviral, antibacterial, and antidiabetic activities. PTP1B-IN-25 has IC ₅₀ values of 0.37 μM, 8.6 μM, 3.7 μM, and 29 μM against PTP1B, HIV, α-Glucosidase, and methicillin-resistant Staphylococcus aureus (MRSA) respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.37 μM (PTP1B) ^[1] .

REFERENCES

[1]. Chen D, et al. Targeted Discovery of Glycosylated Natural Products by Tailoring Enzyme-Guided Genome Mining and MS-Based Metabolome Analysis. *J Am Chem Soc.* 2024;146(14):9614-9622.

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

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