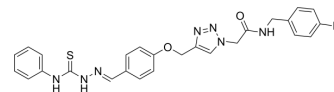


PTP1B-IN-27

Cat. No.:	HY-162480
Molecular Formula:	C ₂₆ H ₂₄ FN ₇ O ₂ S
Molecular Weight:	517.58
Target:	Glucosidase; Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PTP1B-IN-27 (Compound 7i) is an inhibitor of protein tyrosine phosphatase 1-B (PTP1B) (IC ₅₀ =8.2 μM). PTP1B-IN-27 also inhibits α-Glucosidase (IC ₅₀ =120 μM) and shows competitive inhibition (K _i =118 μM) ^[1] .
In Vitro	PTP1B-IN-27 (50 μM; 48 h) shows non-cytotoxicity against human dermal fibroblasts (HDF) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ansariashlaghi S, et al. New phenylthiosemicarbazide-phenoxy-1,2,3-triazole-N-phenylacetamides as dual inhibitors against α-glucosidase and PTP-1B for the treatment of type 2 diabetes. Arch Pharm (Weinheim). 2024 Apr 9:e2300517.

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

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