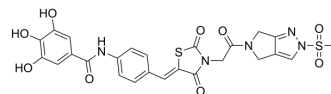


Antidiabetic agent 2

Cat. No.:	HY-155961
Molecular Formula:	C ₂₅ H ₂₁ N ₅ O ₉ S ₂
Molecular Weight:	599.59
Target:	Dipeptidyl Peptidase; Phosphatase; Amylases; Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antidiabetic agent 2 (Compound 56) is a glucose-uptake promoter. Antidiabetic agent 2 inhibits DPP-4, PTP-1B, α -amylase, and α -glucosidase with IC ₅₀ s of 0.036, 0.042, 0.241, 0.185 μ M. Antidiabetic agent 2 decreases blood glucose levels ^[1] .
IC ₅₀ & Target	0.036, 0.042, 0.241, 0.185 μ M (DPP-4, PTP-1B, α -amylase, and α -glucosidase) ^[1]

REFERENCES

[1]. Shah M, et al. SAR and lead optimization of (Z)-5-(4-hydroxy-3-methoxybenzylidene)-3-(2-morpholinoacetyl)thiazolidine-2,4-dione as a potential multi-target antidiabetic agent. Eur J Med Chem. 2023 Oct 5;258:115591.

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

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