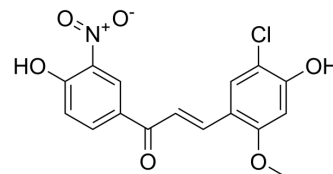


DPP-4-IN-8

Cat. No.:	HY-155027
Molecular Formula:	C ₁₆ H ₁₂ ClNO ₆
Molecular Weight:	349.72
Target:	Dipeptidyl Peptidase; TNF Receptor; Interleukin Related
Pathway:	Metabolic Enzyme/Protease; Apoptosis; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DPP-4-IN-8 (compound 27) is a potent and selective DPP4 (dipeptidyl peptidase 4) inhibitor, with a K _i of 0.96 μM. DPP-4-IN-8 blocks the dipeptidase activity of DPP4 in both Caco-2 and HepG-2 cells. DPP-4-IN-8 also dose-dependently suppresses the expression levels of the chemokines tumor necrosis factor-α (TNF-α), interleukin-6 (IL-6), and interleukin-1β (IL-1β) ^[1] .		
IC₅₀ & Target	DPP-4 0.96 μM (K _i)	IL-6	IL-1β
In Vitro	DPP-4-IN-8 (compound 27) shows no toxicity to normal cells and weak toxicity to cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Li CQ, et al. Licochalcone A Derivatives as Selective Dipeptidyl Peptidase 4 Inhibitors with Anti-Inflammatory Effects. J Nat Prod. 2023 Jul 28;86(7):1824-1831.

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

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