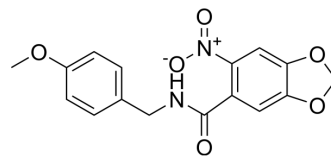


MPO-IN-7

Cat. No.:	HY-163335
Molecular Formula:	C ₁₆ H ₁₄ N ₂ O ₆
Molecular Weight:	330.29
Target:	Glutathione Peroxidase; Dipeptidyl Peptidase; Glucosidase
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MPO-IN-7 (compound MDC) is a myeloperoxidase inhibitor with the IC₅₀ values of 41 μM, 25 μM and 4.5 μM towards α-Glucosidase, dipeptidyl peptidase-4 and myeloperoxidase, respectively. MPO-IN-7 shows antioxidant and anti-inflammatory activity in vitro^[1].

REFERENCES

[1]. Rajan R, et al. Synthesis, Structural Elucidation, In Silico and In Vitro Studies of New Class of Methylenedioxyphenyl-Based Amide Derivatives as Potential Myeloperoxidase Inhibitors for Cardiovascular Protection. ACS Omega. 2024 Feb 7;9(7):7850-7868.

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

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