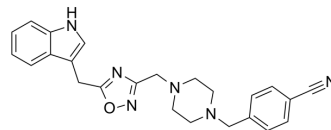


Antioxidant agent-5

Cat. No.:	HY-143243
CAS No.:	2684291-60-7
Molecular Formula:	C ₂₄ H ₂₄ N ₆ O
Molecular Weight:	412.49
Target:	Apoptosis; NF-κB; Keap1-Nrf2; Reactive Oxygen Species
Pathway:	Apoptosis; NF-κB; Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antioxidant agent-5 (compound D-6) is a potent antioxidant agent. Antioxidant agent-5 can inhibit oxLDL (oxidized low-density lipoprotein)-induced apoptosis and the expression of ICAM-1 and VCAM-1 in VECs. Antioxidant agent-5 suppresses oxLDL-induced increase of ROS level and nuclear translocation of NF-κB. Antioxidant agent-5 protects against oxLDL-induced endothelial injury by activating Nrf2/HO-1 anti-oxidation pathway^[1].

REFERENCES

[1]. Xie HX, et al. Design, synthesis and biological evaluation of marine phidianidine-inspired derivatives against oxidized ldl-induced endothelial injury by activating Nrf2 anti-oxidation pathway. *Bioorg Chem.* 2022 Mar;120:105606.

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

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