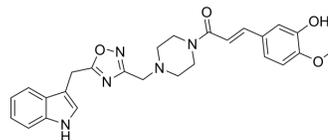


## Nrf2 activator-9

Cat. No.:	HY-156081
Molecular Formula:	C <sub>26</sub> H <sub>27</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	473.52
Target:	Keap1-Nrf2; Apoptosis
Pathway:	NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Nrf2 activator-9 (compound D-36) is an Nrf2 activator that inhibits oxidized low-density lipoprotein (oxLDL) and high glucose (HG)-induced apoptosis in HUVEC cells. Nrf2 activator-9 inhibits oxLDL and HG-induced vascular endothelial cell (VEC) injury and can effectively prevent and treat atherosclerosis <sup>[1]</sup> .
<b>In Vitro</b>	Nrf2 activator-9 (compound D-36) (5 μM, 10 μM; 6 h) reverses 50 μg/mL oxLDL-induced HUVEC apoptosis <sup>[1]</sup> . Nrf2 activator-9 (5 μM, 10 μM; 6 h, 24 h) promotes the nuclear translocation of Nrf2, activates the antioxidant pathway of Nrf2, and forms a protective effect on HUVEC <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhang J, et al. Discovery of marine phidianidine-based Nrf2 activators and their potential against oxLDL- and HG-induced injury in HUVECs. *Bioorg Med Chem Lett*. 2023 Sep 7;95:129468..

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

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