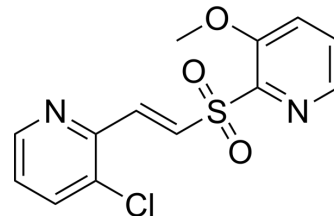


Nrf2 activator-8

Cat. No.:	HY-155572
Molecular Formula:	C ₁₃ H ₁₁ ClN ₂ O ₃ S
Molecular Weight:	310.76
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nrf2 activator-8 (compound 10e) is a Nrf2 activator (EC ₅₀ =37.9 nM). Nrf2 activator-8 exhibits remarkable antioxidant and anti-inflammatory effects in BV-2 microglial cells. Nrf2 activator-8 can significantly restore spatial memory deficits in a mouse model of lipopolysaccharide (LPS)-induced neuroinflammation ^[1] .
IC ₅₀ & Target	EC ₅₀ : 37.9 nM (Nrf2) ^[1] .

REFERENCES

[1]. Kim B, et al. Optimization and evaluation of pyridinyl vinyl sulfones as Nrf2 activator for the antioxidant and anti-inflammatory effects. Eur J Med Chem. 2023 Aug 5;256:115433.

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

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