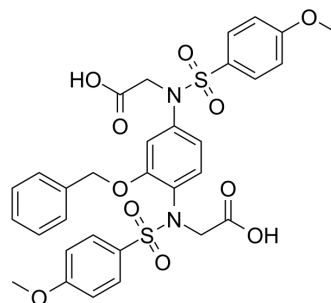


Keap1-Nrf2-IN-9

Cat. No.:	HY-147517
CAS No.:	2769963-24-6
Molecular Formula:	C ₃₁ H ₃₀ N ₂ O ₁₁ S ₂
Molecular Weight:	670.71
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Keap1-Nrf2-IN-9 (compound 11) is a potent Keap1-Nrf2 PPI (Keap1-Nrf2 protein-protein interaction) inhibitor with an IC ₅₀ of 0.575 μM. Keap1-Nrf2-IN-9 increases the expression of Nrf2 target genes including heme oxygenase 1 (Hmox1), glutathione S-transferase P (GstP), and glutamate-cysteine ligase catalytic (Gclc) and modulatory (Gclm) subunits. Keap1-Nrf2-IN-9 shows not cytotoxic activity in ARPE19 cells ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.575 μM (Keap1-Nrf2) ^[1]

REFERENCES

[1]. Georgakopoulos N, et al. Phenyl Bis-Sulfonamide Keap1-Nrf2 Protein-Protein Interaction Inhibitors with an Alternative Binding Mode. J Med Chem. 2022 May 26;65(10):7380-7398.

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

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