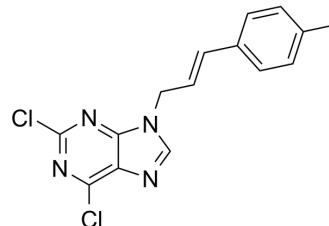


NF-κB-IN-14

Cat. No.:	HY-162004
CAS No.:	3019972-01-8
Molecular Formula:	C ₁₅ H ₁₂ Cl ₂ N ₄
Molecular Weight:	319.19
Target:	NF-κB; Toll-like Receptor (TLR)
Pathway:	NF-κB; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description NF-κB-IN-14 (compound 5e) significantly inhibits nitric oxide production in LPS-induced macrophages (IC₅₀: 6.4 μM). NF-κB-IN-14 disrupts the TLR4-MyD88 protein interaction, leading to the suppression of the NF-κB signaling pathway suppression. NF-κB-IN-14 reduces ear edema and inflammation in an atopic dermatitis mouse model^[1].

IC₅₀ & Target	NF-κB	TLR4
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REFERENCES

[1]. Pham L, et al. Synthesis of 9-Cinnamyl-9H-purine Derivatives as Novel TLR4/MyD88/NF-κB Pathway Inhibitors for Anti-inflammatory Effects. ACS Med Chem Lett. 2023 Nov 27;14(12):1839-1847.

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

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