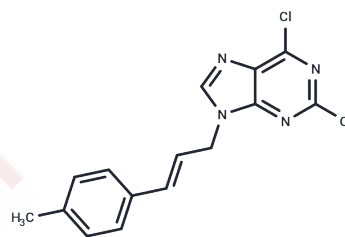


NF-κB-IN-14

Chemical Properties

CAS No. : 3019972-01-8
 Formula: C₁₅H₁₂Cl₂N₄
 Molecular Weight: 319.19
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	NF-κB-IN-14 (compound 5e) inhibits nitric oxide production in macrophages induced by LPS, with an IC ₅₀ of 6.4 μM. It disrupts the interaction between TLR4 and MyD88 proteins, thereby inhibiting the NF-κB signaling pathway. Additionally, NF-κB-IN-14 reduces ear edema and inflammation in a mouse model of atopic dermatitis.
Targets(IC ₅₀)	NF-κB,TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1329 mL	15.6647 mL	31.3293 mL
5 mM	0.6266 mL	3.1329 mL	6.2659 mL
10 mM	0.3133 mL	1.5665 mL	3.1329 mL
50 mM	0.0627 mL	0.3133 mL	0.6266 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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