

NLRP3-IN-24

Chemical Properties

CAS No. :

Formula: C₁₉H₂₆O₃Si

Molecular Weight:

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	NLRP3-IN-24 (Compound 15a) is an inhibitor targeting NLRP3, effectively suppressing the activation of the NLRP3 inflammasome.
Targets(IC50)	Interleukin, TNF
In vitro	NLRP3-IN-24 (0.1-10 µM, 1 h) inhibits heme-induced NLRP3-mediated inflammatory responses in THP-1 cells and J774A.1 cells. Additionally, NLRP3-IN-24 (10 µM, 24 h) is non-toxic to J774A.1 cells.
In vivo	Administered as a single intraperitoneal injection of 10-30 mg/kg 30 minutes prior to LPS, NLRP3-IN-24 inhibits the activation of the NLRP3 inflammasome in a peritonitis model.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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