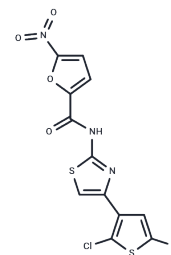


NLRP3-IN-78

Chemical Properties

CAS No. :	477546-27-3
Formula:	C ₁₂ H ₅ Cl ₂ N ₃ O ₄ S ₂
Molecular Weight:	390.222
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-78 (compound 21) is an NLRP3 inhibitor with a 46.72% inhibition rate of GSDMD-induced pyroptosis at 5 μ M. It binds to the NLRP3 protein and prevents GSDMD-NT oligomerization. Additionally, NLRP3-IN-78 inhibits GSDMD cleavage and upstream NF- κ B signaling, demonstrating anti-inflammatory activity.
Targets(IC50)	NF- κ B,Pyroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5627 mL	12.8133 mL	25.6266 mL
5 mM	0.5125 mL	2.5627 mL	5.1253 mL
10 mM	0.2563 mL	1.2813 mL	2.5627 mL
50 mM	0.0513 mL	0.2563 mL	0.5125 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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