

CIB-1476

Chemical Properties

CAS No. :

Formula: C₂₈H₂₈N₂O₆S

Molecular Weight: 520.6

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	CIB-1476, a caspase-1 inhibitor, effectively reduces joint swelling in mouse models of arthritis and demonstrates lasting anti-inflammatory effects. This compound achieves its benefits by blocking IL-1 β production, NF- κ B activation, and GSDMD-mediated pyroptosis, all of which are triggered by the NLRP3 inflammasome.
Targets(IC50)	NF- κ B,Caspase,NOD-like Receptor (NLR),Pyroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9209 mL	9.6043 mL	19.2086 mL
5 mM	0.3842 mL	1.9209 mL	3.8417 mL
10 mM	0.1921 mL	0.9604 mL	1.9209 mL
50 mM	0.0384 mL	0.1921 mL	0.3842 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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