

LMP-420

Chemical Properties

CAS No. : 473870-63-2
Formula: C₁₀H₁₅BClN₅O₂
Molecular Weight: 283.52
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	LMP-420 is a selective inhibitor of tumor necrosis factor- α (TNF- α). It reduces the release of pro-inflammatory cytokines, such as IL-1 β and IL-2, while inducing the expression of anti-inflammatory cytokine IL-10, and anti-apoptotic molecules SOCS-1 and Mn-SOD. LMP-420 also downregulates chemokines like IP-10 and MCP-1, which decreases immune cell infiltration. This compound shows potential for research into type 1 diabetes, inflammatory diseases such as colitis, and HIV-mycobacterium tuberculosis co-infection.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5271 mL	17.6354 mL	35.2709 mL
5 mM	0.7054 mL	3.5271 mL	7.0542 mL
10 mM	0.3527 mL	1.7635 mL	3.5271 mL
50 mM	0.0705 mL	0.3527 mL	0.7054 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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