

MLKL-IN-5

Chemical Properties

CAS No. :	2755872-58-1
Formula:	C ₁₈ H ₂₀ N ₆ O ₄ S
Molecular Weight:	416.45
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	MLKL-IN-5 is a potent small molecule inhibitor of MLKL. By specifically targeting MLKL, it prevents its phosphorylation by RIPK3 and subsequent oligomerization, thereby blocking the transmission of the necroptosis signaling pathway. It is an important pharmacological tool molecule for studying the pathological mechanisms of necroptosis in various inflammatory diseases, neurodegenerative diseases, and cancer.
Targets(IC50)	MLK,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4012 mL	12.0062 mL	24.0125 mL
5 mM	0.4802 mL	2.4012 mL	4.8025 mL
10 mM	0.2401 mL	1.2006 mL	2.4012 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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.

Reference

Jean-Marc Daniel GARNIER, et al. Sulphonamide compounds.WO2021253095.

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