

LFS-1107

Chemical Properties

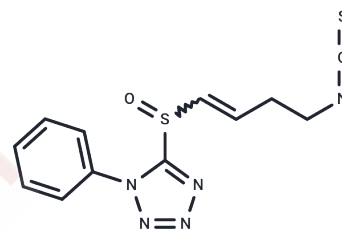
CAS No. : 1799330-91-8

Formula: C₁₂H₁₁N₅O₂S

Molecular Weight: 305.38

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	LFS-1107, a reversible CRM1 inhibitor (K _d : 12.5 pM), selectively targets and eliminates ENKTL cells, offering potential for cancer research applications [1].
Targets(IC50)	c-Myc, COX, CRM1, Survivin
In vitro	LFS-1107 at concentrations of 4-9% over 72 hours selectively eradicates ENKTL cells while preserving normal human PBMCs, demonstrating a favorable safety profile within the PBMC cell lineage [1].
In vivo	LFS-1107 (10 mg/kg, intraperitoneal injection, once weekly) ameliorates ENKTL symptoms in a xenografted mouse model with SNK6 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2746 mL	16.373 mL	32.7461 mL
5 mM	0.6549 mL	3.2746 mL	6.5492 mL
10 mM	0.3275 mL	1.6373 mL	3.2746 mL
50 mM	0.0655 mL	0.3275 mL	0.6549 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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