

LCC-12 FA

Chemical Properties

CAS No. : 3029253-76-4

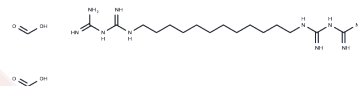
Formula: C18H40N10O4

Molecular Weight: 460.57

Store at low temperature

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	LCC-12 FA is a dimer composed of metformin that induces a decrease in the NAD(H) pool by targeting mitochondrial copper(ii).LCC-12 FA reduces inflammation in mouse models of bacterial and viral infections and may be used in the study of metabolic diseases.
Targets(IC50)	Antiviral,Antibacterial

Solubility Information

Solubility	H2O: 50 mg/mL (108.56 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1712 mL	10.8561 mL	21.7122 mL
5 mM	0.4342 mL	2.1712 mL	4.3424 mL
10 mM	0.2171 mL	1.0856 mL	2.1712 mL
50 mM	0.0434 mL	0.2171 mL	0.4342 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

Solier S,et al. A druggable copper-signalling pathway that drives inflammation. Nature. 2023 May;617(7960):386-394.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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