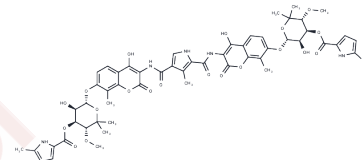


Coumermycin A1

Chemical Properties

CAS No. :	4434-05-3
Formula:	C55H59N5O20
Molecular Weight:	1110.092
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	Coumermycin A1, a JAK2 signal activator, inhibits DNA Gyrase, consequently impeding bacterial cell division.
Targets(IC50)	Others,Antibacterial,JAK,Virus Protease
In vitro	Coumermycin A1-induced activation of the JAK2 signaling pathway elevates SCOS2 mRNA levels while decreasing the mRNA level of the leptin receptor[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (45.04 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9008 mL	4.5041 mL	9.0083 mL
5 mM	0.1802 mL	0.9008 mL	1.8017 mL
10 mM	0.0901 mL	0.4504 mL	0.9008 mL
50 mM	0.018 mL	0.0901 mL	0.1802 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

Tiantian Zhang, et al. SOCS2 Inhibits Mitochondrial Fatty Acid Oxidation via Suppressing LepR/JAK2/AMPK Signaling Pathway in Mouse Adipocytes. Research Article.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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