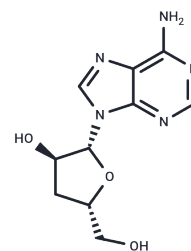


Cordycepin

Chemical Properties

CAS No. :	73-03-0
Formula:	C ₁₀ H ₁₃ N ₅ O ₃
Molecular Weight:	251.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cordycepin (3'-Deoxyadenosine) is a purine nucleoside antimetabolite and antibiotic derived from the fungus [<i>Cordyceps militaris</i>], exhibiting potential antineoplastic activity.
Targets(IC50)	MMP,Antibacterial,Antibiotic,Autophagy,TNF

Solubility Information

Solubility	DMSO: 25.63 mg/mL (102.01 mM) H ₂ O: 8.29 mg/mL (33 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	3.9803 mL	19.9013 mL	39.8026 mL
5 mM	0.7961 mL	3.9803 mL	7.9605 mL
10 mM	0.398 mL	1.9901 mL	3.9803 mL
50 mM	0.0796 mL	0.398 mL	0.7961 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.

Reference

Yang J, et al. *Int J Immunopathol Pharmacol*. 2015 Sep;28(3):296-307.

Ma L, Yang Y, Wang Y, et al. *SlRBP1 promotes translational efficiency via SlElF4A2 to maintain chloroplast function in tomato*. *The Plant Cell*. 2022

Marcelo A, Afonso I T, Afonso-Reis R, et al. *Autophagy in Spinocerebellar ataxia type 2, a dysregulated pathway, and a target for therapy*. *Cell Death & Disease*. 2021, 12(12): 1-13.

Yong Tianqiao, et al. *Cordycepin, a characteristic bioactive constituent in Cordyceps militaris, resist to hyperuricemia based on URAT1 in hyperuricemic mice*. *Frontiers in microbiology*. 2018 Jan 25;9:58.

Yong T, Chen S, Xie Y, et al. *Cordycepin, a characteristic bioactive constituent in Cordyceps militaris, resist to hyperuricemia based on URAT1 in hyperuricemic mice*. *Frontiers in Microbiology*. 2018 Jan 25;9:58

Zhou X, Yang C, Li Y, et al. *Cordycepin reprogramming lipid metabolism to block metastasis and EMT via ERO1A/mTOR/SREBP1 axis in cholangiocarcinoma*. *Life Sciences*. 2023: 121698.

Lee K P, Liu K, Kim E Y, et al. *The m6A reader ECT1 drives mRNA sequestration to dampen salicylic acid-dependent stress responses in Arabidopsis*. *The Plant Cell*. 2023: koad300.

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