

7-Cyano-7-deazaguanine

Chemical Properties

CAS No. :	69205-79-4
Formula:	C7H5N5O
Molecular Weight:	175.148
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	7-Cyano-7-deazaguanine (7-CN-7-deazaG) is a marine derived natural products found in Streptomyces qinglanensis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 9.00 mg/mL (51.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7094 mL	28.547 mL	57.0939 mL
5 mM	1.1419 mL	5.7094 mL	11.4188 mL
10 mM	0.5709 mL	2.8547 mL	5.7094 mL
50 mM	0.1142 mL	0.5709 mL	1.1419 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

Gaur R, Varshney U. Genetic analysis identifies a function for the queC (ybaX) gene product at an initial step in the queuosine biosynthetic pathway in Escherichia coli. J Bacteriol. 2005 Oct;187(20):6893-901. doi: 10.1128/JB.187.20.6893-6901.2005. PMID: 16199558; PMCID: PMC1251624.

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