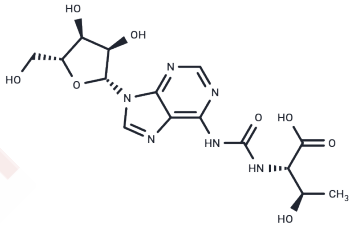
Data Sheet (Cat.No.T34765)

T6A

Chemical Properties



CAS No. : 24719-82-2

Formula: C15H20N6O8

Molecular Weight: 412.35

Storage: Store at low temperature
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	T6A (N6-Threonylcarbamoyladenosine) is a ubiquitously conserved nucleoside, which is essential for modification. T6A is found in the tRNA responsible for transporting the ANN codon.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Solubility Information

Solubility	DMSO: 100 mg/mL (242.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4251 mL	12.1256 mL	24.2512 mL
5 mM	0.485 mL	2.4251 mL	4.8502 mL
10 mM	0.2425 mL	1.2126 mL	2.4251 mL
50 mM	0.0485 mL	0.2425 mL	0.485 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

Thiaville PC, et al. Diversity of the biosynthesis pathway for threonylcarbamoyladenosine (t(6)A), a universal modification of tRNA. RNA Biol. 2014;11(12):1529-1539.
Xutian S, et al. New exploration and understanding of traditional Chinese medicine. Am J Chin Med. 2009;37(3): 411-426.

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