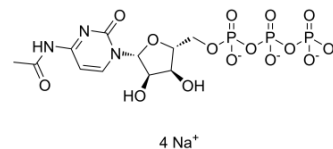


N4-Acetylcytidine triphosphate sodium

Cat. No.:	HY-111815A		
Molecular Formula:	C ₁₁ H ₁₄ N ₃ Na ₄ O ₁₅ P ₃		
Molecular Weight:	613.12		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 250 mg/mL (407.75 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6310 mL	8.1550 mL	16.3100 mL
	5 mM	0.3262 mL	1.6310 mL	3.2620 mL
	10 mM	0.1631 mL	0.8155 mL	1.6310 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N4-Acetylcytidine triphosphate sodium is efficiently used as a substrate in T7 Polymerase-catalyzed in vitro transcription and can be incorporated into multiple templates^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Sinclair WR, et al. Profiling Cytidine Acetylation with Specific Affinity and Reactivity. ACS Chem Biol. 2017 Dec 15;12(12):2922-2926.

Caution: Product has not been fully validated for medical applications. For research use only.

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