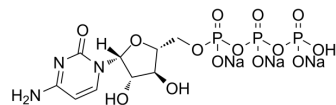


Cytarabine triphosphate trisodium

Cat. No.:	HY-115740A
CAS No.:	1179343-17-9
Molecular Formula:	C ₉ H ₁₃ N ₃ Na ₃ O ₁₄ P ₃
Molecular Weight:	549.1
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (227.65 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8212 mL	9.1058 mL	18.2116 mL
	5 mM	0.3642 mL	1.8212 mL	3.6423 mL
	10 mM	0.1821 mL	0.9106 mL	1.8212 mL

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

BIOLOGICAL ACTIVITY

Description

Cytarabine triphosphate (Ara-CTP) trisodium, an active metabolite of Cytarabine, is a competitive inhibitor of DNA synthesis. Intracellular Cytarabine triphosphate trisodium levels can be used to predict chemosensitivity of leukemic blasts to Cytarabine^[1].

REFERENCES

[1]. Anderson E, et, al. Intracellular cytarabine triphosphate in circulating blasts post-treatment predicts remission status in patients with acute myeloid leukemia. *Exp Hematol.* 2019 Jun;74:13-18.e3.

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

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