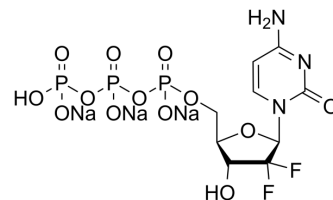


Gemcitabine triphosphate trisodium

Cat. No.:	HY-17026E
Molecular Formula:	C ₉ H ₁₁ F ₂ N ₃ Na ₃ O ₁₃ P ₃
Molecular Weight:	569.08
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°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 (219.65 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7572 mL	8.7861 mL	17.5722 mL
	5 mM	0.3514 mL	1.7572 mL	3.5144 mL
	10 mM	0.1757 mL	0.8786 mL	1.7572 mL

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

BIOLOGICAL ACTIVITY

Description

Gemcitabine triphosphate (trisodium) is one of the two nucleoside metabolites of Gemcitabine (HY-17026) in cells. The other is active diphosphate (dFdDTP). Gemcitabine triphosphate can be used as a standard in radio-labeled probe imaging studies, to identify tumors sensitive to Gemcitabine, and to evaluate Gemcitabine uptake and retention by cells^[1].

REFERENCES

[1]. Shewach DS, et al. Gemcitabine and radiosensitization in human tumor cells. Invest New Drugs. 1996;14(3):257-63.

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

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