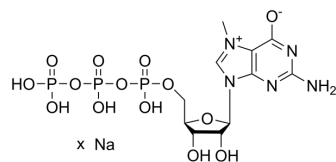


7-Methyl-guanosine-5'-triphosphate sodium

Cat. No.:	HY-21586B
Molecular Formula:	$C_{11}H_{18}N_5O_{14}P_3 \cdot xNa$
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
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	H ₂ O : 250 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	7-Methyl-guanosine-5'-triphosphate (m7GTP) sodium is a guanosine 5'-phosphate. 7-Methyl-guanosine-5'-triphosphate sodium phosphorothioate analog is a potent cap-dependent translation inhibitor ^[1] .
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REFERENCES

[1]. Kowalska J, et al. Phosphorothioate analogs of m7GTP are enzymatically stable inhibitors of cap-dependent translation. *Bioorg Med Chem Lett*. 2009 Apr 1;19(7):1921-5.

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

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