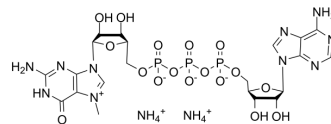


## N7-Methyl-guanosine-5'-triphosphate-5'-adenosine diammonium

<b>Cat. No.:</b>	HY-139100B
<b>CAS No.:</b>	75252-10-7
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>35</sub> N <sub>12</sub> O <sub>17</sub> P <sub>3</sub>
<b>Molecular Weight:</b>	820.49
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (60.94 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2188 mL	6.0939 mL	12.1878 mL
	5 mM	0.2438 mL	1.2188 mL	2.4376 mL
	10 mM	0.1219 mL	0.6094 mL	1.2188 mL

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

### BIOLOGICAL ACTIVITY

#### Description

N7-Methyl-guanosine-5'-triphosphate-5'-adenosine (m7GpppA) diammonium is a dinucleotide cap analog that can be used for in vitro RNA transcription<sup>[1]</sup>.

### REFERENCES

[1]. Young-Min Lee. Compositions and methods for zika virus characterization and vaccine development. WO2019204654A1.

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

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