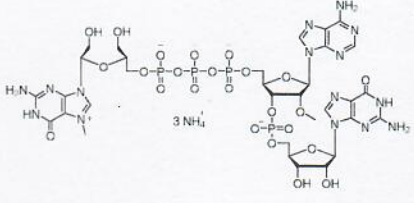
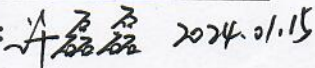


## Certificate of Analysis

<b>Product Name</b>	<b>m7G(UNA)(5')ppp(5')(2'OMeA)pG 100mM Ammonium Solution</b>	
<b>Cat. No.</b>	CAP4011-1	
<b>Molecular Formula</b>	$C_{32}H_{45}N_{15}O_{24}P_4$ (free acid)	
<b>Molecular Weight</b>	1147.69(free acid)	
<b>Lot No.</b>	SJ2014-002-01	
<b>Manufacture Date</b>	2023.09.07	
<b>Retest Date</b>	2025.09.06	
<b>Storage Recommendation</b>	Please store in -20°C or below, always avoid freeze-thaw cycles.	
<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULTS</b>
<b>Appearance</b>	Clear to slightly yellow solution	Clear colorless solution
<b>Concentration</b>	100mM±3mM	100mM
<b>Purity(by HPLC)</b>	≥98.0%	98.8%
<b>pH</b>	6.3±0.2	6.3
<b><sup>31</sup>PNMR</b>	≥98.0%	100.0%
<b><sup>1</sup>HNMR</b>	To conform structure	Conformed
<b>Exact Mass by MS</b>	1147±1 Da	Conformed
<b>Bacterial Endotoxin</b>	<1.0 EU/ml	Conformed
<b>Residual Nuclease</b>	Not Detected	Not Detected

Checker:  2024.01.15

Examiner:  2024.01.15

