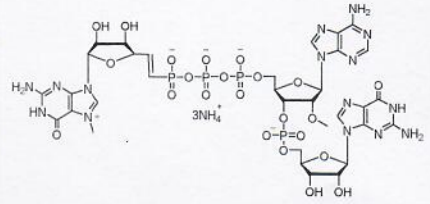


Certificate of Analysis

Product Name	m7G(5')vppp(5')(2'OMeA)pG 100mM Ammonium Solution	
Cat. No.	CAP5011-0.1	
Molecular Formula	$C_{33}H_{43}N_{15}O_{23}P_4$ (inner salt)	
Molecular Weight	1141.68 (inner salt)	
Lot No.	SJ2014-017-01	
Manufacture Date	2023.11.13	
Retest Date	2025.11.12	
Storage Recommendation	Please store in -20°C or below, always avoid freeze-thaw cycles.	
TEST	SPECIFICATION	TEST
Appearance	Clear solution	Clear solution
Concentration	100mM±3mM	102mM
Purity(by HPLC)	≥98.0%	99.4%
pH	6.3±0.2	6.2
³¹PNMR	≥98.0%	99.5%
¹HNMR	To conform structure	Conformed
Exact Mass by MS	1142±1 Da	Conformed
Bacterial Endotoxin	<1.0 EU/ml	Conformed
Residual Nuclease	Not Detected	Not Detected

Checker: 姜冰洁 2024.01.15

Examiner: 江磊磊 2024.01.15

