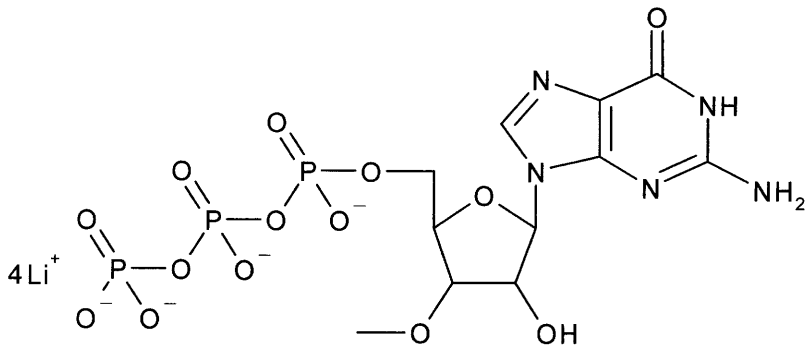
TriLink BioTechnologies

Certificate of Analysis

3'-O-Methyl-GTP

N-1058



3'-O-Methylguanosine-5'-Triphosphate

Product Information

Catalog # (Pack Size):	N-1058-1 (1 µmole)	**Manufacturing Lot #:**	N-1058-101204
	N-1058-5 (5 µmoles)	**Packaging Lot #:**	N-1058-101204-1
	N-1058-10 (10 µmoles)	**Extinction Coefficient:**	13,600 $Lmol^{-1}cm^{-1}$ @ 252 nm
	N-1058-BK (Bulk Amount)	**Molecular Weight:**	537.2 g/mole (free acid)
		Molecular Formula:	$C_{11}H_{18}N_5O_{14}P_3$ (free acid)
Packaged As:	100 mM in H_2O	**Final Salt Form:**	Li+
Recommended Storage:	-20°C or below	**Handling:**	Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

QC Analysis

	Method of Analysis:	Results:
Manufacturing Lot:	AX-HPLC	Passes
	^{31}P NMR	Passes
	^{1}H NMR	Passes
	Mass Spec	Passes
	UV-Spec	Passes
Packaging Lot:	AX-HPLC	97.8%

QA Approval

Approved By: Stephanie Smoak — QA

06/18/2012 — Date

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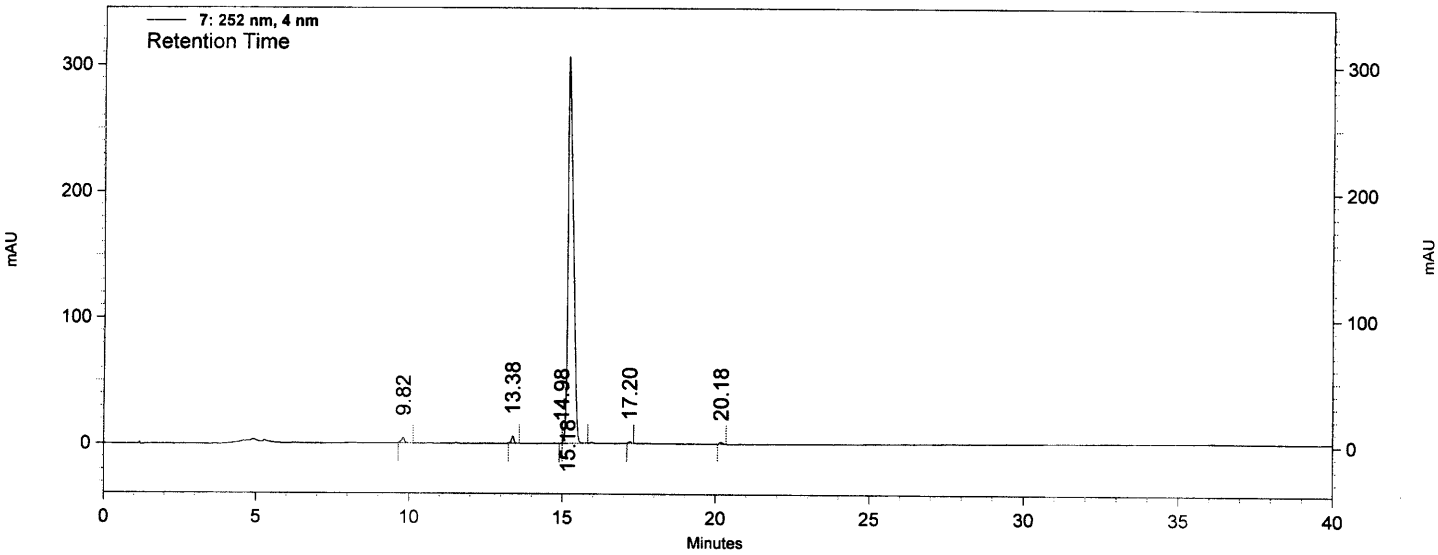
Final Data
Released By Lym
Date 06/15/12

AX-HPLC : **QTP-2021**
Column : Dionex DNA PAC PA-100 4 x 250 mm **Injection** : 15 uL
Buffer A : 25 mM Tris, pH = 9-11 **Buffer B** : 25 mM Tris pH = 9-11, 1 M LiCl
Gradient : 0-50 % B over 40 min **Flow Rate** : 1 mL/min **Temperature** : Room Temperature

Sample ID : N-1058-101204-1
Acquired : 6/14/2012 9:35:19 PM

C:\32Karat\Projects\Default\Data\QC0612\QCI\QCI0612-0058.dat



7: 252 nm, 4 nm Results

Retention Time	Area	Area Percent
9.82	30141	0.82
13.38	30359	0.83
14.98	1007	0.03
15.18	3589716	97.87
17.20	6824	0.19
20.18	9682	0.26
Totals	3667729	100.00