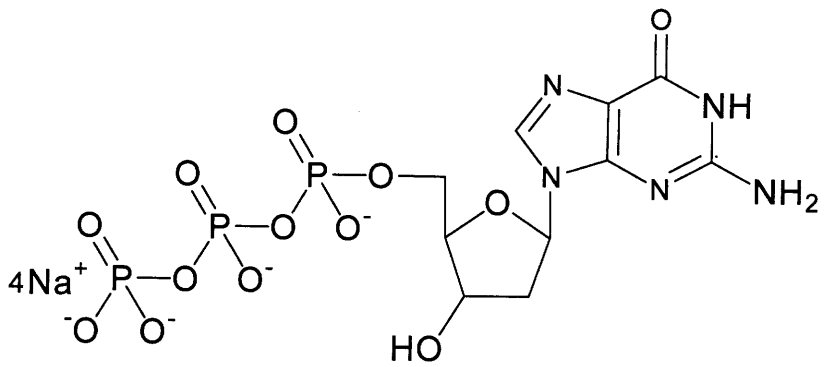
TriLink BioTechnologies

Certificate of Analysis

2'-dGTP

N-2512



2'-Deoxyguanosine-5'-Triphosphate

Product Information

Catalog # (Pack Size): N-2512-25 (25 umoles)
N-2512-BK (Bulk amount)

Packaged As: 100 mM in H_2O

Recommended Storage: -20°C or below

Manufacturing Lot #: T1-AOE03A

Extinction Coefficient: 13,700 $Lmol^{-1}cm^{-1}$ @ 252 nm

Molecular Weight: 507.1 g/mol (free acid)

Molecular Formula: $C_{10}H_{16}N_5O_{13}P_3$ (free acid)

Final Salt Form: Na+

Handling: Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

QC Analysis

Manufacturing Lot:	Method of Analysis:	Results:
	AX-HPLC	98.7%
	^{31}P NMR	100%
	Mass Spec	506.9 amu
	^{1}H NMR	Passes
	UV Spec	Passes

QA Approval

Approved By: [signature] QA

6/24/2013 Date

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The Modified Nucleic Acid Experts

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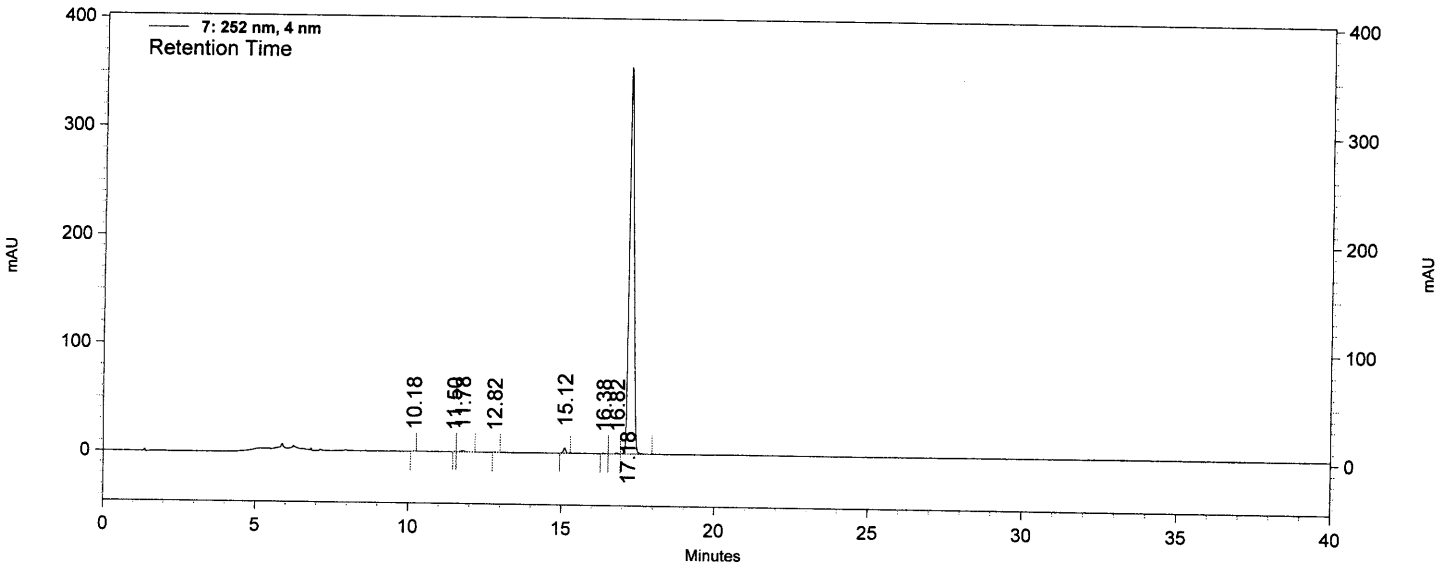
Final Data
Released By: Lm
Date: 06/14/13

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 : N2512-T1AOE03A
Acquired : 6/13/2013 6:45:38 PM

C:\32Karat\Projects\Default\Data\QD0613\QCI\QCI0613-0052.dat



7: 252 nm, 4 nm Results

Retention Time	Area	Area Percent
10.18	1426	0.04
11.50	999	0.03
11.78	10316	0.27
12.82	1797	0.05
15.12	26573	0.70
16.38	2710	0.07
16.82	5250	0.14
17.18	3757038	98.71
Totals	3806109	100.00