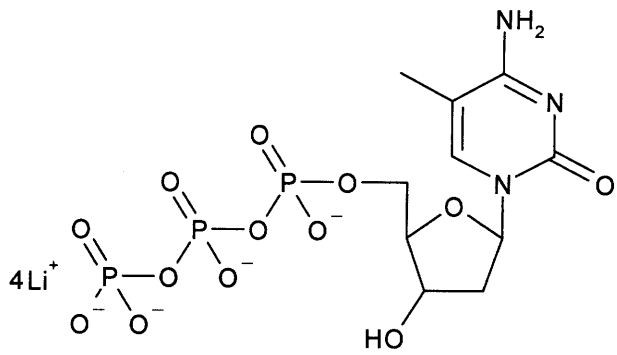
TriLink BioTechnologies

Certificate of Analysis

5-Methyl-2'-dCTP

N-2026



5-Methyl-2'-deoxycytidine-5'-Triphosphate

Product Information

Catalog # (Pack Size): N-2026-1 (1 µmole)
N-2026-5 (5 µmoles)
N-2026-10 (10 µmoles)
N-2026-BK (Bulk Amount)

Packaged As: 100 mM in H_2O

Recommended Storage: -20°C or below

Manufacturing Lot #: N2026-T1ZQ01A

Packaging Lot #: N2026-T1ZQ01A-2

Extinction Coefficient: 8,900 $Lmol^{-1}cm^{-1}$ @ 278 nm

Molecular Weight: 481.1 g/mole (free acid)

Molecular Formula: $C_{10}H_{18}N_3O_{13}P_3$ (free acid)

Final Salt Form: Li+

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: _____ QA

02/27/2013 Date

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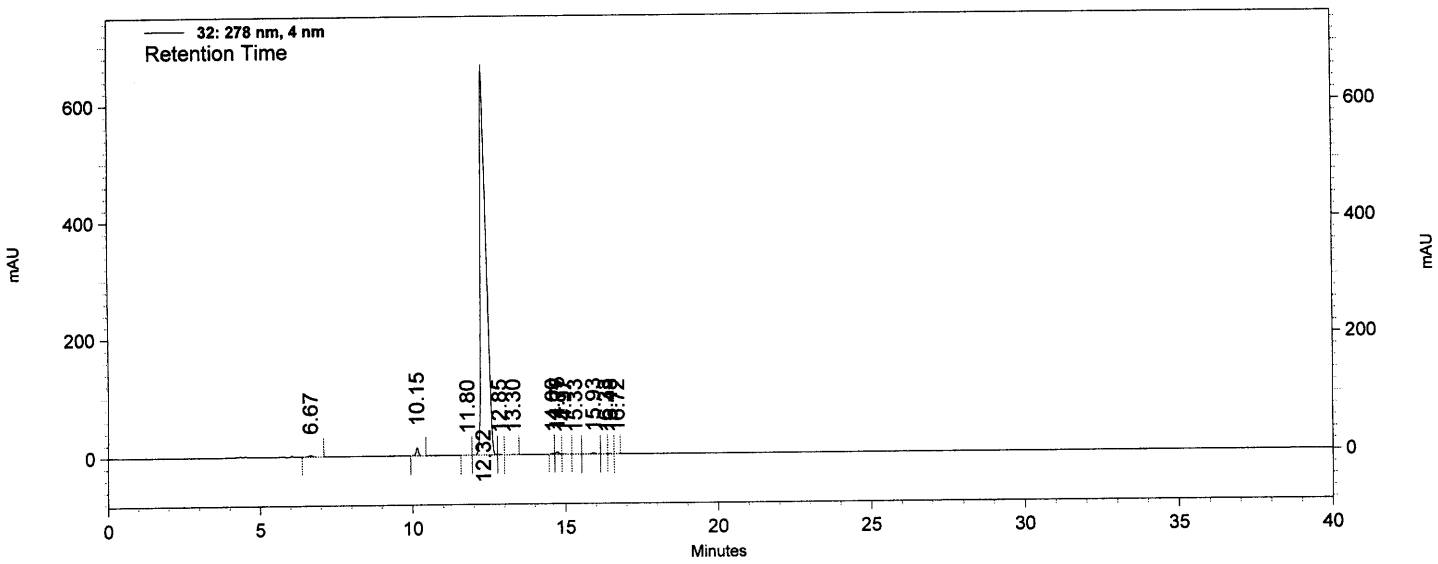
Final Data
Released By
Date 02/22/13

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 : N2026-T1ZQ01A-2
Acquired : 2/21/2013 6:54:31 PM

C:\32Karat\Projects\Default\Data\QD0213\QCI\QCI0213-0179.dat



32: 278 nm, 4 nm Results

Retention Time	Area	Area Percent
6.67	23086	0.26
10.15	77431	0.89
11.80	3567	0.04
12.32	8542616	97.88
12.85	6710	0.08
13.30	8590	0.10
14.60	8399	0.10
14.75	26430	0.30
14.97	4193	0.05
15.33	2246	0.03
15.93	17408	0.20
16.33	2140	0.02
16.48	3918	0.04
16.72	1064	0.01
Totals	8727798	100.00