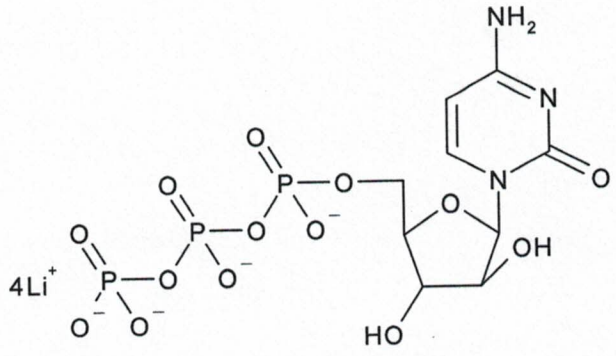
TriLink BIOTECHNOLOGIES

Certificate of Analysis

N-1033

Ara-CTP



Aracytidine-5'-Triphosphate

Product Information

Catalog # (Pack Size): N-1033-1 (1 µmole)
N-1033-5 (5 µmole)
N-1033-10 (10 µmole)
N-1033-BK (Bulk Amount)

Packaged As: 100 mM in H_2O

Recommended Storage: -20°C or below

Manufacturing Lot #: N-1033-030602

Packaging Lot #: N-1033-030602-4

Extinction Coefficient: 9,100 $Lmol^{-1}cm^{-1}$ @ 271 nm

Molecular Weight: 483.1 g/mole (free acid)

Molecular Formula: $C_9H_{16}N_3O_{14}P_3$ (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	95.6%

QA Approval

Approved By: [signature] QA

9/28/2015 Date

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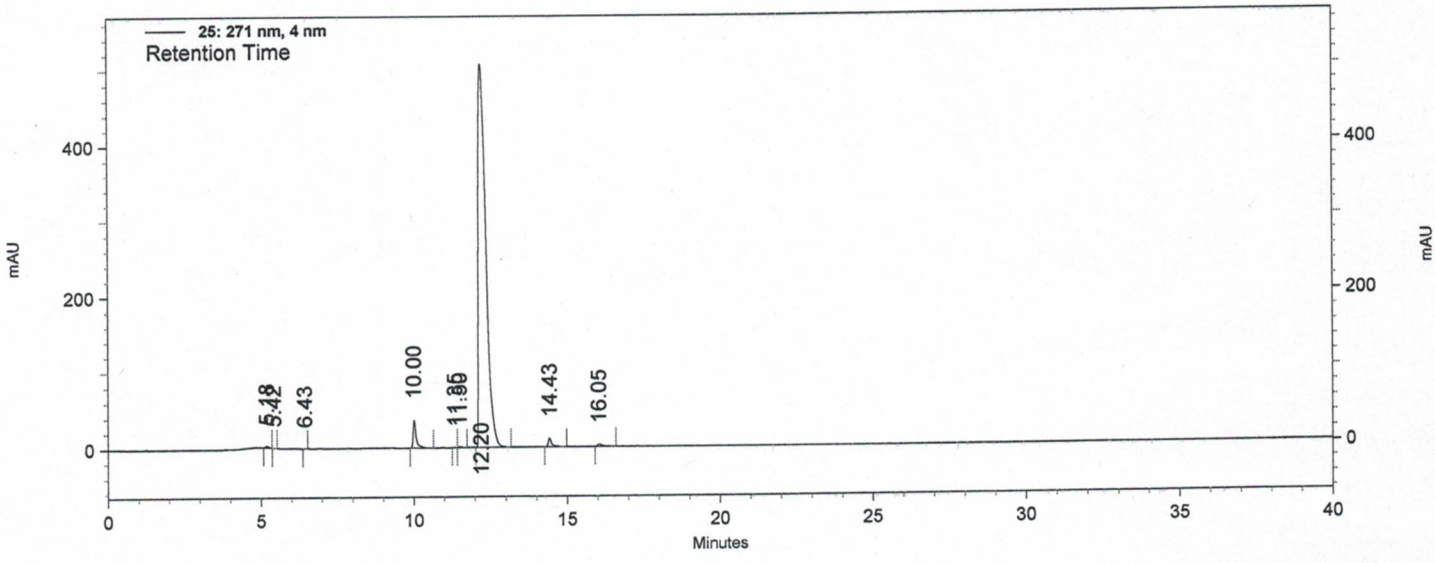
Final Data
Released By JD
Date 9/24/15

AX-HPLC : QTP-2021 Revision: 002

Sample ID : N-1033-030602-4
Injection : 15 µL
Acquired : 9/23/2015 9:06:05 PM

Z:\QC\HPLC Data\2015\QR0915\QCG\QCG0915-0323.dat



25: 271 nm, 4 nm Results

Retention Time	Area	Area Percent
5.18	11570	0.13
5.42	1082	0.01
6.43	1216	0.01
10.00	251022	2.79
11.35	2418	0.03
11.50	6998	0.08
12.20	8609163	95.64
14.43	89607	1.00
16.05	28944	0.32
Totals	9002020	100.00