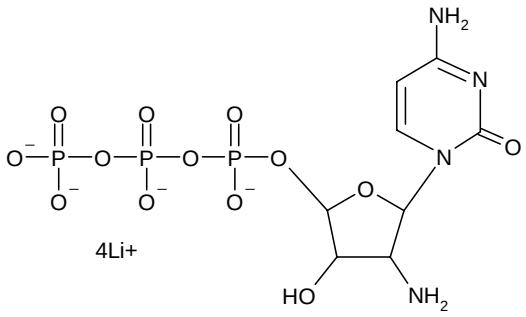
TriLink BioTechnologies

Certificate of Analysis

Compound

2'-Amino-2'-deoxycytidine-5'-Triphosphate
Molecular Formula: $C_9H_{17}O_{13}N_4P_3$ (free acid)
Lot Number: N-1026-051608



Catalog # (Pack Size)

N-1026-1 (1µmole)
N-1026-5 (5 µmoles)
N-1026-10 (10 µmoles)
N-1026-BK (Bulk amount)

Packaged As

100 mM solution in H_2O

Purity

93.8% by AX-HPLC
100% by ^{31}P NMR

Method of Analysis

AX-HPLC
Column: Dionex DNAPac PA-100, 4 x 250 mm
Buffer A: 25 mM Tris base, pH 9-11
Buffer B: 25 mM Tris base in 1 M LiCl, pH 9-11
0-50% B over 40 minutes, 1.0 mL/minute

^{31}P NMR

^{1}H NMR

Mass Spec
Found Mass: 482.0 amu; Pass

UV Spec

Attachments

AX-HPLC

Comments

Molecular weight = 482.2 g/mole (free acid)
Extinction coefficient = 9,100 $Lmol^{-1}cm^{-1}$ at 271 nm
Lithium salt form
Store at –20°C
Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

Released By

July 1, 2010

QA **Date**

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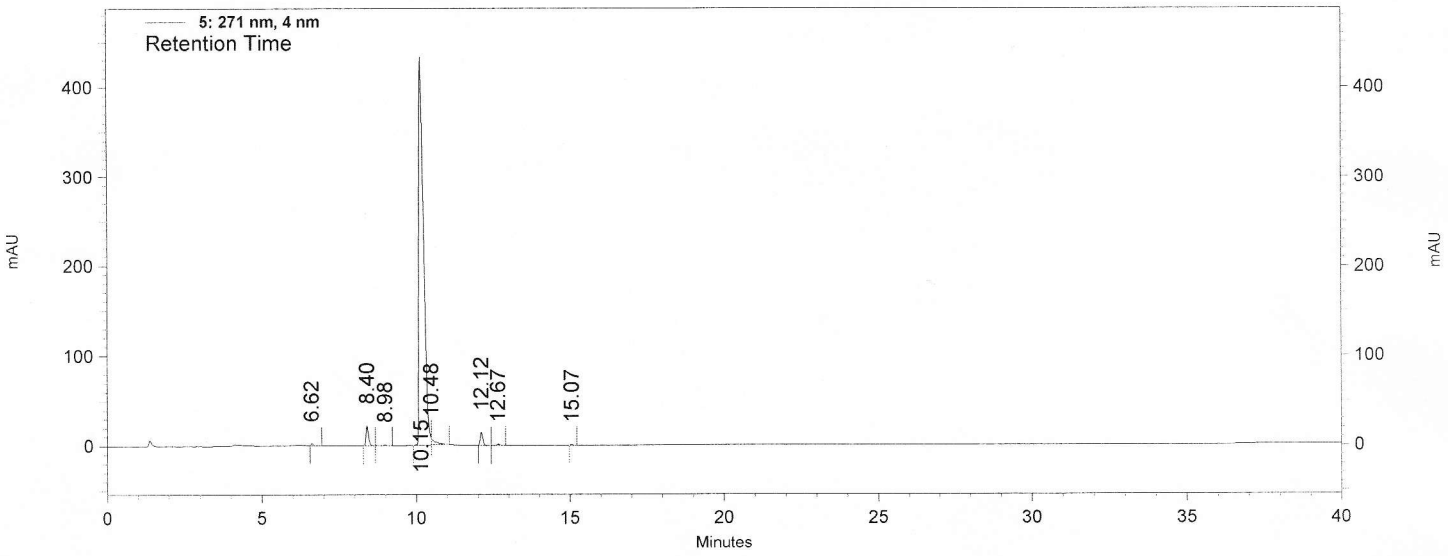
Final Data
Released By
Date 7/1/10

AX-HPLC : Dionex DNA PAC PA-100 4 x 250 mm
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 : N1026-051608
Acquired : 6/30/2010 9:20:35 PM

C:\32Karat\Projects\Default\Data\QD0610\QXD\QXD0610-0279.dat



5: 271 nm, 4 nm Results

Retention Time	Area	Area Percent
6.62	11575	0.24
8.40	116368	2.39
8.98	8989	0.18
10.15	4569715	93.86
10.48	66140	1.36
12.12	81370	1.67
12.67	9590	0.20
15.07	5142	0.11

Totals		
	4868889	100.00

The Modified Nucleic Acid Experts

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