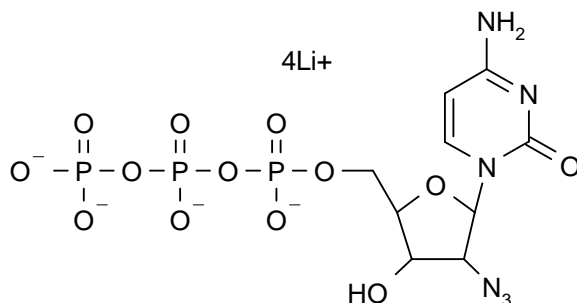


Compound
2'-Azido-2'-deoxycytidine-5'-Triphosphate

 Molecular Formula: C₉H₁₅N₆O₁₃P₃ (free acid)

Lot Number: N-1028-081403


Catalog # (Pack Size)

 N-1028-1 (1 μmole)
 N-1028-5 (5 μmoles)
 N-1028-10 (10 μmoles)
 N-1028-BK (Bulk amount)

Packaged As

 100 mM solution in H₂O

Purity

 97.5% by AX-HPLC
 100% by ³¹P NMR

Method of Analysis
AX-HPLC

Column: Dionex DNAPac PA-100, 4 x 250 mm

Buffer A: 25 mM Tris Base, pH 9.0-11.0

Buffer B: 25 mM Tris Base in 1 M LiCl, pH 9.0-11.0

0-50% B over 40 minutes, 1.0 mL/min

³¹P NMR
Mass Spec

Mass Found: 507.0 amu; Pass

UV Spec
Attachments

AX-HPLC

Comments

Molecular weight = 508.2 g/mole (free acid)

 Extinction coefficient = 9,100 Lmol⁻¹cm⁻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


QA

December 23, 2009

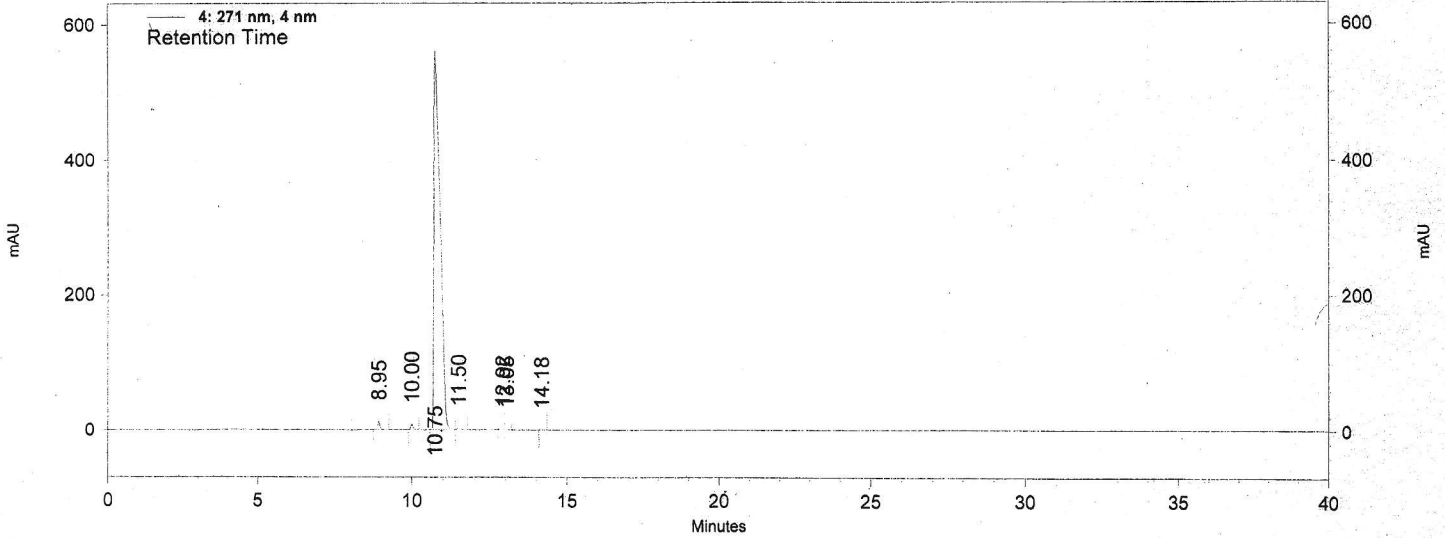
Date

Final Data
Released by *[Signature]*
Date 12.22.09

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 : N1028-081403
Acquired : 12/21/2009 6:34:10 PM

C:\32Karat\Projects\Default\Data\QXD12090098.dat



4: 271 nm, 4 nm Results

Retention Time	Area	Area Percent
8.95	68986	0.86
10.00	47776	0.60
10.75	7802069	97.59
11.50	32209	0.40
12.92	22779	0.28
13.05	12976	0.16
14.18	7712	0.10
Totals	7994507	100.00