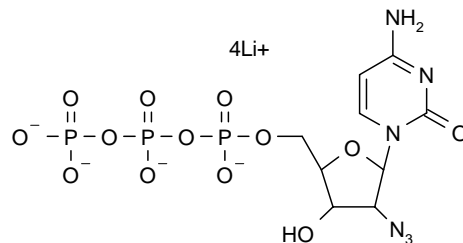


Compound
2'-Azido-2'-deoxycytidine-5'-Triphosphate

 Molecular Formula: C₉H₁₅N₆O₁₃P₃ (free acid)

Lot Number: N-1028-051608


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

 95.7% 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 9-11

Buffer B: 25 mM Tris Base in 1 M LiCl, pH 9-11

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

³¹P NMR
¹H NMR
Mass Spec

Found Mass: 507.3 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

June 21, 2010

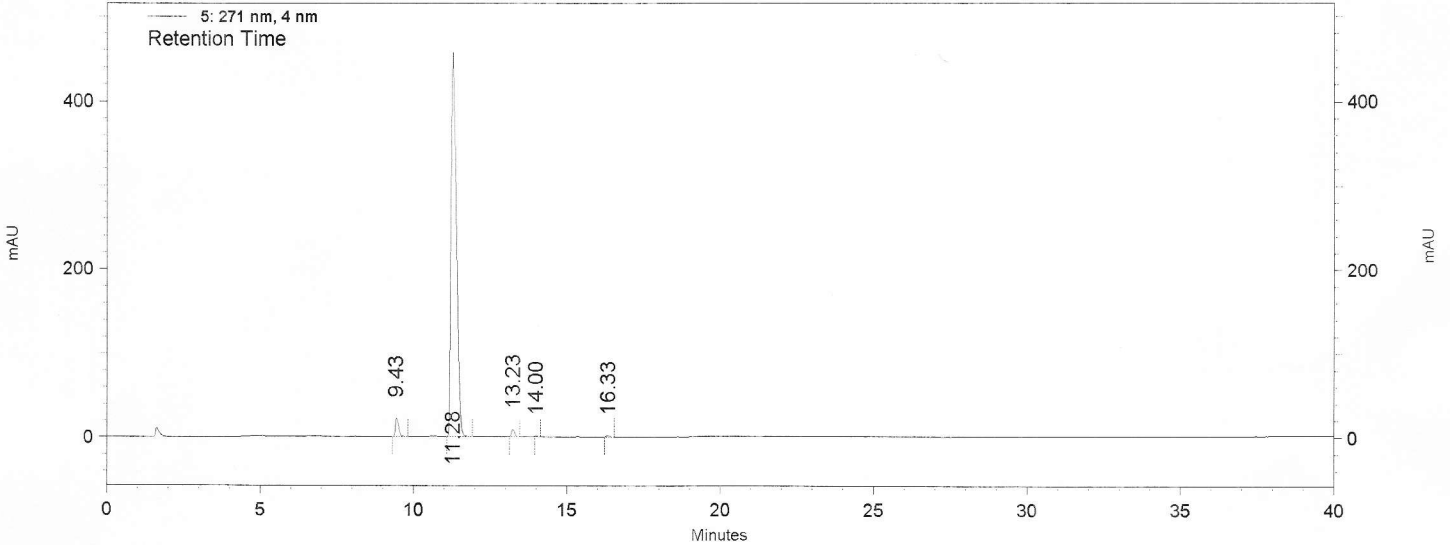
Date

Final Date
Released By *[Signature]*
Date 6/16/10

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 : N1028-051608
Acquired : 6/15/2010 5:37:05 PM

C:\32Karat\Projects\Default\Data\QD0610\QXD\QXD0610-0177.dat



5: 271 nm, 4 nm Results

Retention Time	Area	Area Percent
9.43	163585	2.84
11.28	5518366	95.78
13.23	63745	1.11
14.00	5214	0.09
16.33	10565	0.18
Totals	5761475	100.00