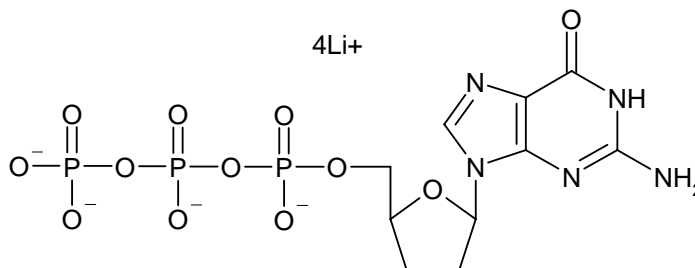


Compound
2',3'-Dideoxyguanosine-5'-Triphosphate

 Molecular Formula: C₁₀H₁₆N₅O₁₂P₃ (free acid)

Lot Number: N4002-T1LY01A


Catalog # (Pack Size)

 N-4002-1 (1 μmole)
 N-4002-5 (5 μmoles)
 N-4002-10 (10 μmoles)
 N-4002-BK (Bulk amount)

Packaged As

 100 mM solution in H₂O

Purity

 98.4% by AX-HPLC
 97.2% 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
¹H NMR
Mass Spec

Found Mass: 491.0 amu; Pass

UV Spec
Attachments

AX-HPLC

Comments

Molecular weight = 491.2 g/mole (free acid)

 Extinction coefficient = 13,600 Lmol⁻¹cm⁻¹ at 252 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

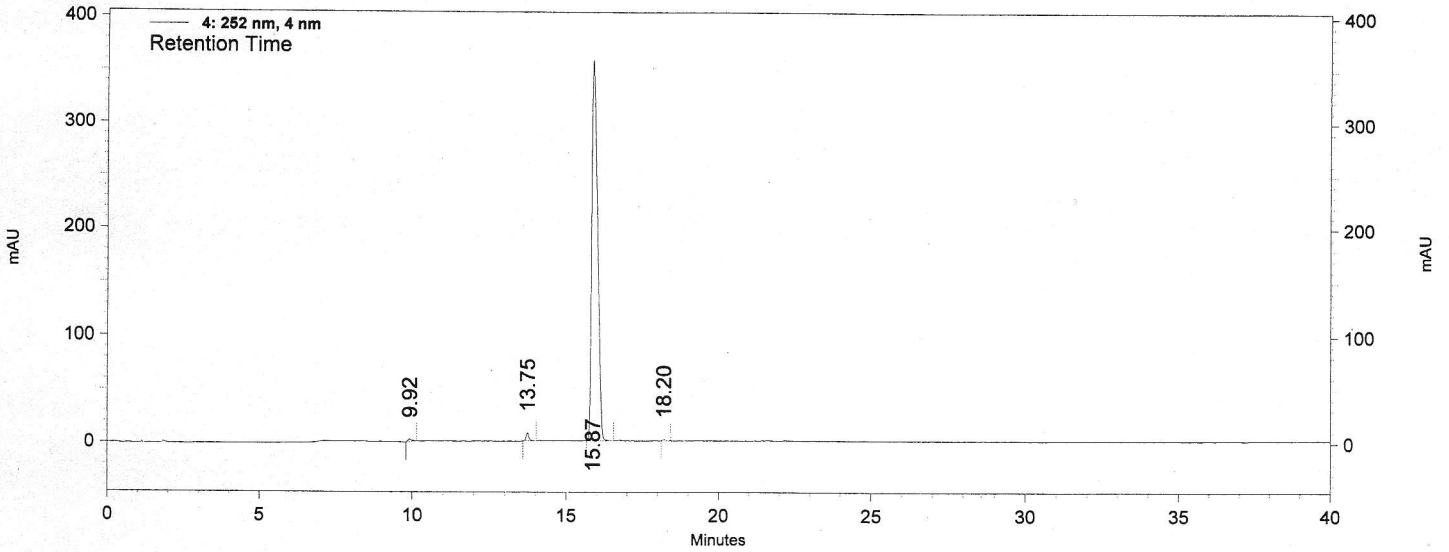
March 9, 2010

Date

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 : N4002-T1LY01A
 Acquired : 3/4/2010 8:22:59 AM

C:\32Karat\Projects\Default\Data\QD0310\QXD\QXD0310-0029B.dat



4: 252 nm, 4 nm Results		
Retention Time	Area	Area Percent
9.92	21084	0.44
13.75	47184	0.99
15.87	4686758	98.38
18.20	8895	0.19
Totals	4763921	100.00