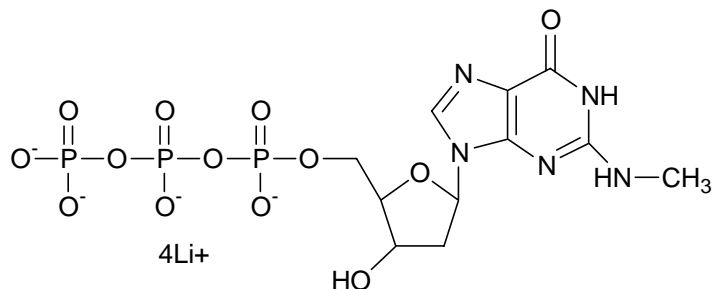


Compound***N*²-Methyl-2'-deoxyguanosine-5'-Triphosphate**Molecular Formula: C₁₁H₁₈N₅O₁₃P₃ (free acid)

Lot Number: N-2028-121801

**Catalog # (Pack Size)**N-2028-1 (1 μmole)
N-2028-5 (5 μmoles)
N-2028-10 (10 μmoles)
N-2028-BK (Bulk amount)**Packaged As**100 mM solution in H₂O**Purity**98.9% 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/min

³¹P NMRMass Spec

Found Mass: 520.0 amu; Pass

UV Spec**Attachments**

AX-HPLC

Comments

Molecular weight = 521.2 g/mole (free acid)

Extinction coefficient = 13,600 Lmol⁻¹cm⁻¹ at 253 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

January 8, 2010

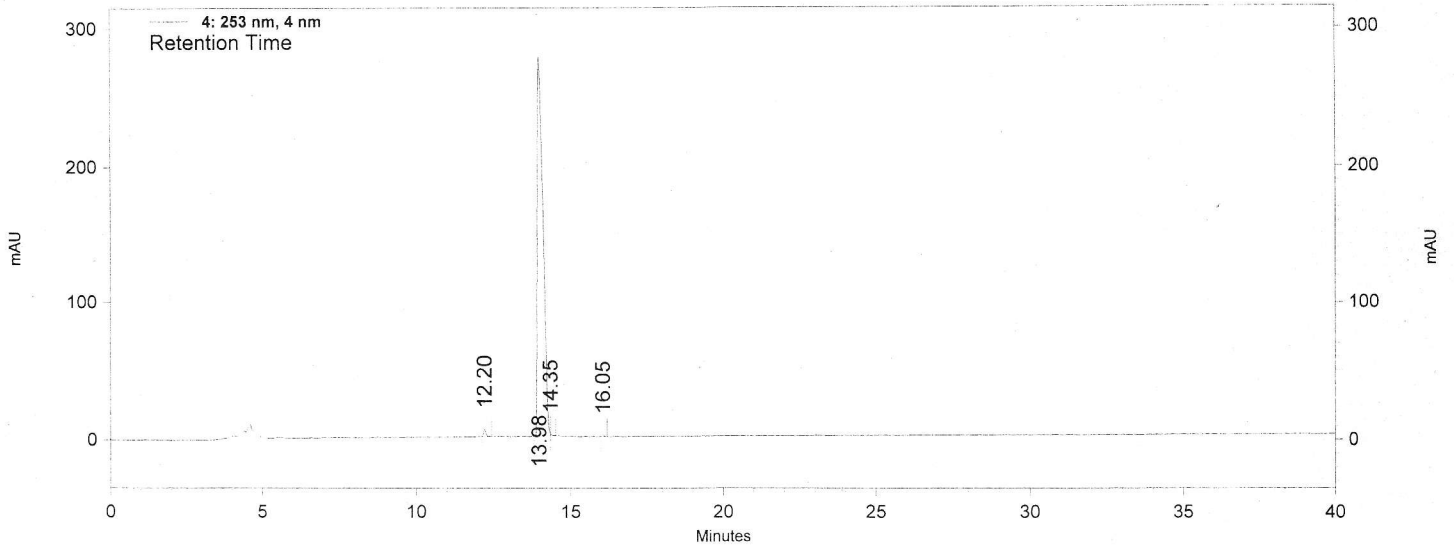
Date

Final Data
Released by *SP*
Date 01/06/10

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 : N2028-121801
 Acquired : 1/5/2010 7:54:21 PM

C:\32Karat\Projects\Default\Data\QD0110\QXD\QXD0110-0016.dat



4: 253 nm, 4 nm Results		
Retention Time	Area	Area Percent
12.20	27114	0.75
13.98	3581042	98.98
14.35	4598	0.13
16.05	5206	0.14
Totals	3617960	100.00