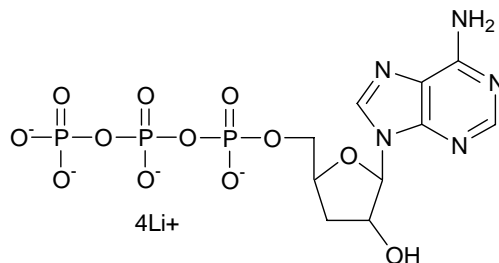


Compound**3'-Deoxyadenosine-5'-Triphosphate**Molecular Formula: C₁₀H₁₆N₅O₁₂P₃ (free acid)

Lot Number: N-3001-041808

**Catalog # (Pack Size)**N-3001-1 (1 μ mole)
N-3001-5 (5 μ moles)
N-3001-10 (10 μ moles)
N-3001-BK (Bulk amount)**Packaged As**100 mM solution in H₂O**Purity**90.9% by AX-HPLC
96.7% by ³¹P NMR**Method of Analysis**AX-HPLC

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

Buffer A: 25 mM Tris, pH 9.0-11.0

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

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

³¹P NMR¹H NMRMass Spec

Found Mass: 489.9 amu; Pass

UV Spec**Attachments**

AX-HPLC

Comments

Molecular weight = 491.2 g/mole (free acid)

Extinction coefficient = 15,400 Lmol⁻¹cm⁻¹ at 258 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

February 4, 2010

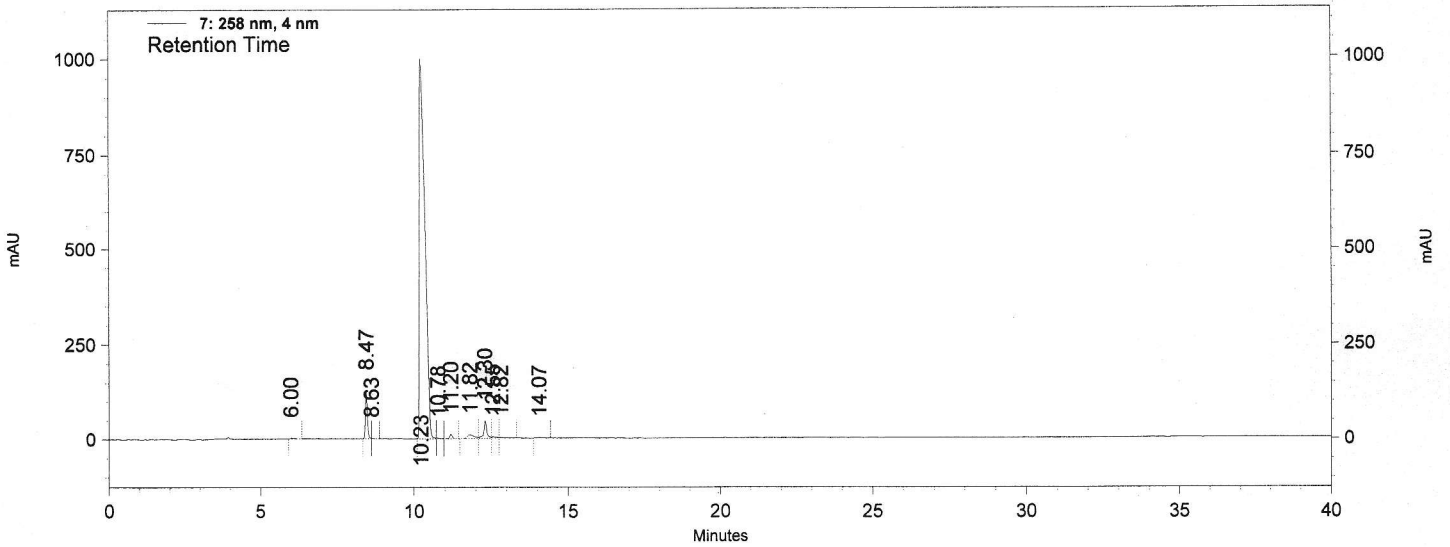
Date

Final Data
 Released: ∞
 Date: 02/17/10

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 : N3001-041808
Acquired : 1/26/2010 4:41:53 PM

C:\32Karat\Projects\Default\Data\QD0110\QXD\QXD0110-0238.dat



7: 258 nm, 4 nm Results

Retention Time	Area	Area Percent
6.00	16728	0.12
8.47	568419	4.14
8.63	4764	0.03
10.23	12474046	90.92
10.78	15113	0.11
11.20	68794	0.50
11.82	158308	1.15
12.30	320079	2.33
12.55	45712	0.33
12.82	29332	0.21
14.07	18910	0.14
Totals	13720205	100.00