TriLink BioTechnologies

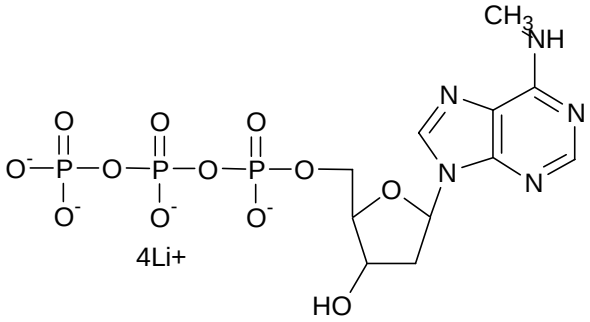
Certificate of Analysis

Compound

N^6-Methyl-2'-deoxyadenosine-5'-Triphosphate

Molecular Formula: $C_{11}H_{18}N_5O_{12}P_3$ (free acid)

Lot Number: N-2025-101201



Catalog # (Pack Size)

N-2025-1 (1 µmole)
N-2025-5 (5 µmoles)
N-2025-10 (10 µmoles)
N-2025-BL (Bulk amount)

Packaged As

100 mM solution in H_2O

Purity

96.7% by AX-HPLC
100% by ^{31}P 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

^{31}P NMR

Mass Spec
Found Mass 504.0 amu; Pass

UV Spec

Attachments

AX-HPLC

Comments

Molecular weight = 505.2 g/mole (free acid)
Extinction coefficient = 15,567 $Lmol^{-1}cm^{-1}$ at 265nm
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 11, 2010
Date

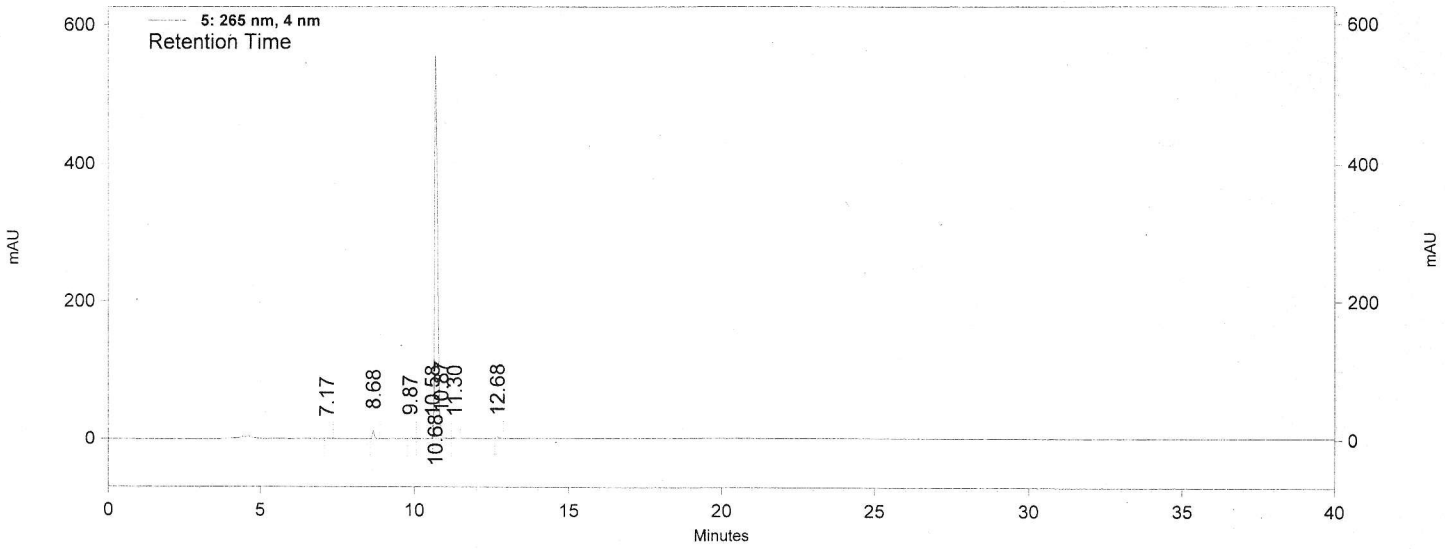
TriLink BioTechnologies

Final Data
Released by: QC
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 : N2025-101201
Acquired : 1/6/2010 12:22:11 AM

C:\32Karat\Projects\Default\Data\QD0110\QXD\QXD0110-0017.dat



5: 265 nm, 4 nm Results

Retention Time	Area	Area Percent
7.17	5350	0.15
8.68	50993	1.40
9.87	16088	0.44
10.58	3547	0.10
10.68	3523960	96.71
10.87	24864	0.68
11.30	6732	0.18
12.68	12462	0.34

Totals		
	3643996	100.00

The Modified Nucleic Acid Experts

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