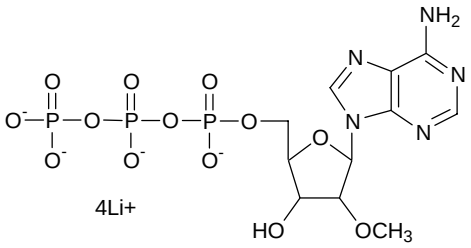
TriLink BioTechnologies

Certificate of Analysis

Compound

2'-O-Methyladenosine-5'-Triphosphate
Molecular Formula: $C_{11}H_{18}N_5O_{13}P_3$ (free acid)
Lot Number: N-1015-071103



Catalog # (Pack size)

N-1015-1 (1µmole)
N-1015-5 (5 µmoles)
N-1015-10 (10 µmoles)
N-1015-BK (Bulk amount)

Packaged As

100 mM solution in H_2O

Purity

96.4% 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 9-11
Buffer B: 25 mM Tris Base in 1 M LiCl, pH 9-11
0-50% B over 40 minutes, 1.0 mL/minute

^{31}P NMR

^{1}H NMR

Mass Spec
Found Mass: 521.0 amu; Pass

UV Spec

Attachments

AX-HPLC

Comments

Molecular weight = 521.2 g/mole (free acid)
Extinction coefficient = 15,400 $Lmol^{-1}cm^{-1}$ 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

	March 24, 2010
QA	**Date**

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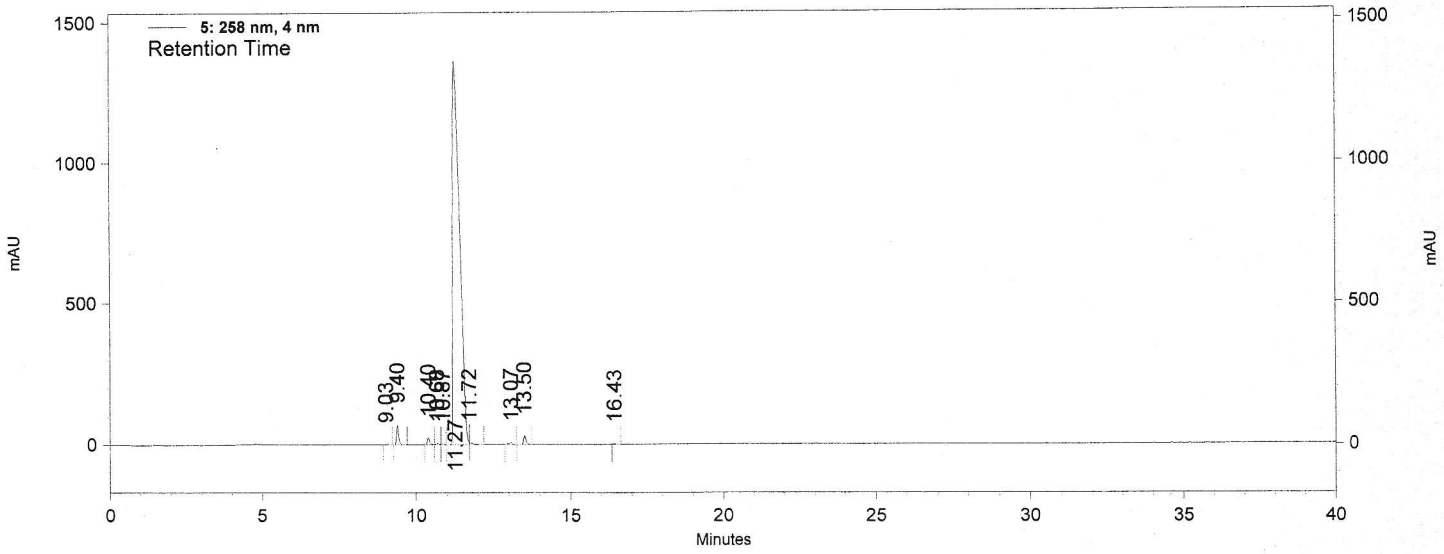
Final Data
Released By
Date 11/09/09

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 : N-1015-071103
Acquired : 11/9/2009 11:59:43 AM

C:\32Karat\Projects\Default\Data\QXD1109-0045.dat



5: 258 nm, 4 nm Results

Retention Time	Area	Area Percent
9.03	7642	0.04
9.40	329804	1.51
10.40	123921	0.57
10.68	27805	0.13
10.87	17444	0.08
11.27	21050154	96.47
11.72	46016	0.21
13.07	47760	0.22
13.50	162258	0.74
16.43	7007	0.03
Totals	21819811	100.00

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