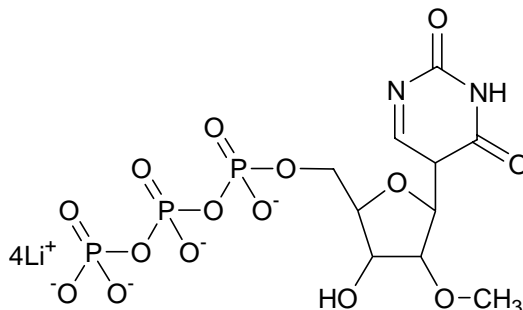


**Compound****2'-O-Methylpseudouridine-5'-Triphosphate**Molecular Formula: C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>15</sub>P<sub>3</sub> (free acid)

Lot Number: N-1041-032101

**Catalog # (Pack size)**N-1041-1 (1  $\mu$ mole)  
N-1041-5 (5  $\mu$ moles)  
N-1041-10 (10  $\mu$ moles)  
N-1041-BK (Bulk amount)**Packaged As**100 mM solution in H<sub>2</sub>O**Purity**95.8% by AX-HPLC  
100% by <sup>31</sup>P NMR**Method of Analysis**AX-HPLC

Column: Dionex DNA PAC 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

<sup>31</sup>P NMR<sup>1</sup>H NMRMass Spec

Found Mass: 497.0 amu; Pass

UV Spec**Attachments**

AX-HPLC

**Comments**

Molecular weight = 498.17 g/mol (free acid)

Extinction Coefficient = 6,475 Lmol<sup>-1</sup>cm<sup>-1</sup> at 262 nm

Lithium salt form

Store at -20°C or below

Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions

**Released By**

QA

June 23, 2010

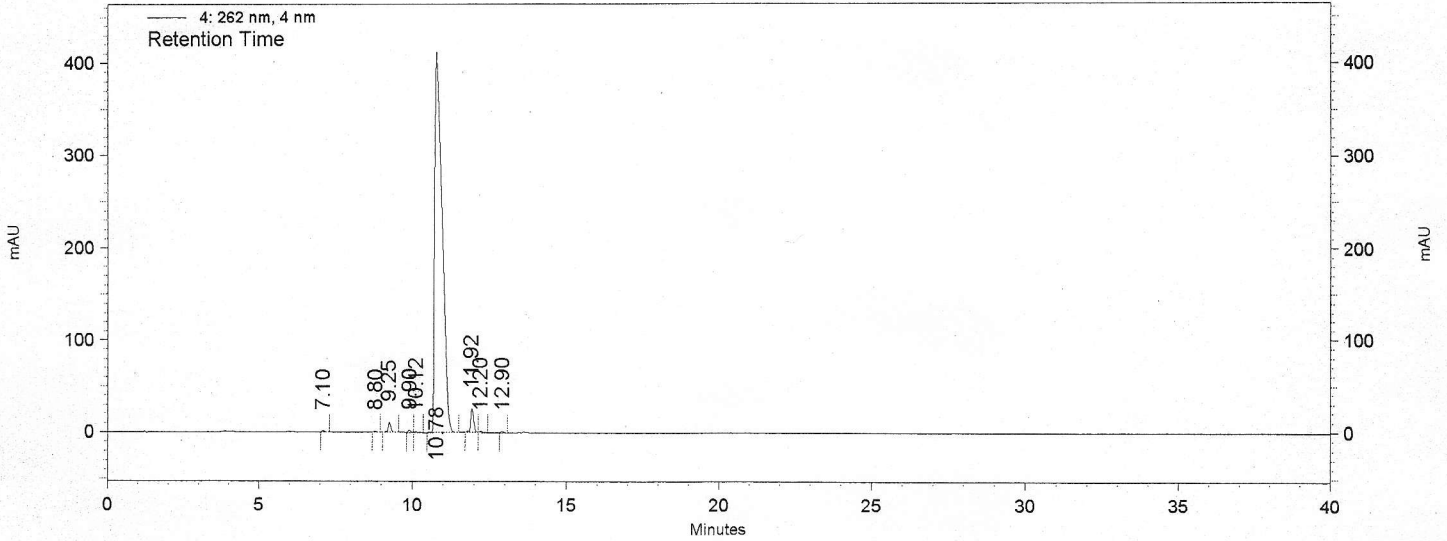
Date

Final Data  
Released By: AA  
Date: 6/22/10

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 : N1041-032101  
 Acquired : 6/21/2010 6:44:28 PM

C:\32Karat\Projects\Default\Data\QD0610\QXD\QXD0610-0201.dat



4: 262 nm, 4 nm Results

Retention Time	Area	Area Percent
7.10	7712	0.11
8.80	7360	0.10
9.25	69831	0.97
9.90	13571	0.19
10.12	5132	0.07
10.78	6900912	95.83
11.92	178497	2.48
12.20	9341	0.13
12.90	8933	0.12

Totals	7201289	100.00
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