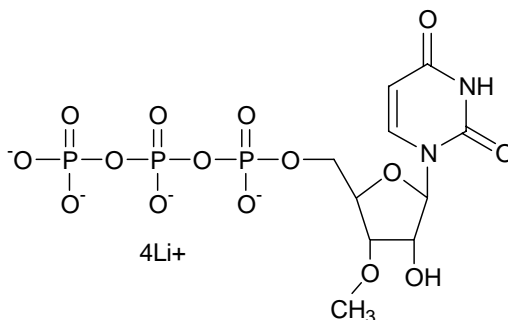


**Compound**
***3'-O-Methyluridine-5'-Triphosphate***

 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-1059-101204


**Catalog # (Pack size)**

 N-1059-1 (1μmole)  
 N-1059-5 (5μmoles)  
 N-1059-10 (10μmoles)

**Packaged As**

 100 mM solution in H<sub>2</sub>O

**Purity**

 99.1% by AX-HPLC  
 100% by <sup>31</sup>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

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

Found Mass: 497.0 amu; Pass

UV Spec
**Attachments**

AX-HPLC

**Comments**

Molecular weight = 498.2 g/mole (free acid)

 Extinction coefficient = 10,100 Lmol<sup>-1</sup>cm<sup>-1</sup> at 262 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

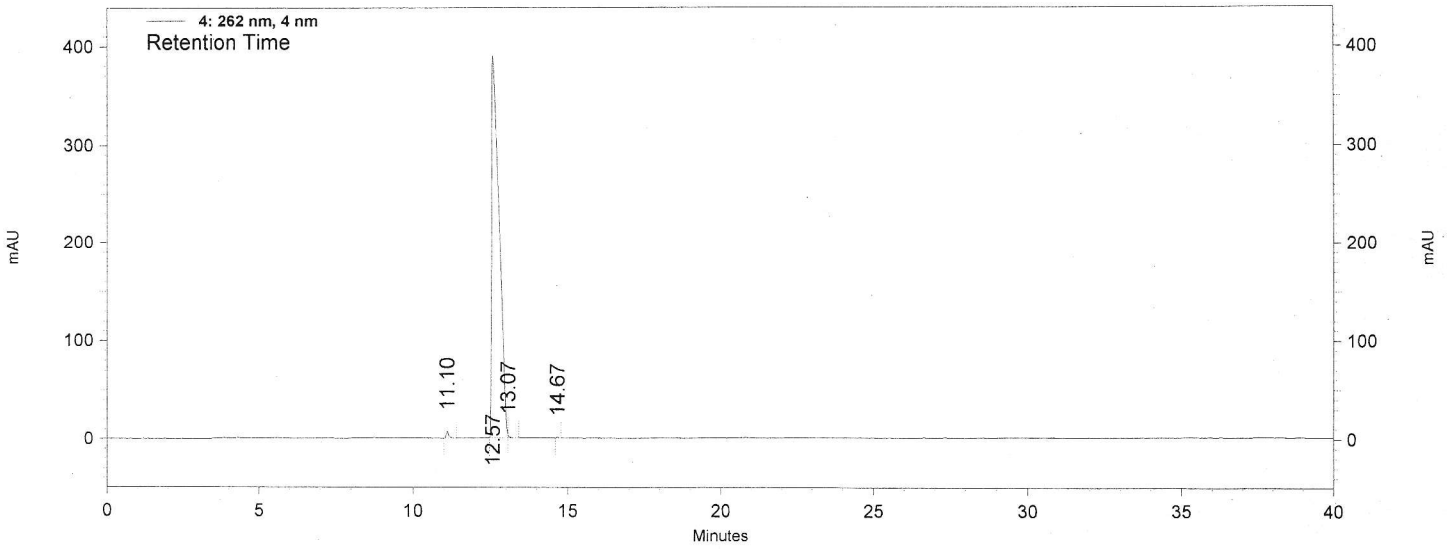
December 29, 2009

Date

**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** : N1059-101204  
**Acquired** : 12/24/2009 2:40:32 AM

C:\32Karat\Projects\Default\Data\QD1209\QXD\QXD1209-0138.dat



4: 262 nm, 4 nm Results

Retention Time	Area	Area Percent
11.10	39516	0.59
12.57	6634523	99.19
13.07	9470	0.14
14.67	5175	0.08
<b>Totals</b>	<b>6688684</b>	<b>100.00</b>