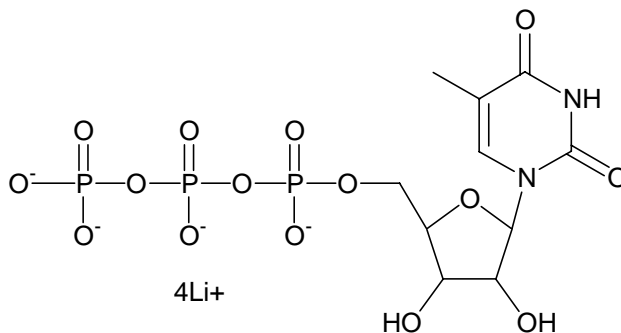


**Compound****5-Methyluridine-5'-Triphosphate**Molecular Formula:  $C_{10}H_{17}N_2O_{15}P_3$  (free acid)

Lot Number: N-1024-121406

**Catalog # (Pack Size)**N-1024-1 (1  $\mu$ mole)  
N-1024-5 (5  $\mu$ moles)  
N-1024-10 (10  $\mu$ moles)  
N-1024-BK (Bulk amount)**Packaged As**100 mM solution in  $H_2O$ **Purity**99.1% 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 $^1H$  NMRMass Spec

Mass Found: 497.0 amu; Pass

UV Spec**Attachments**

AX-HPLC

**Comments**

Molecular weight = 498.2 g/mole (free acid)

Extinction coefficient =  $9,650 \text{ Lmol}^{-1}\text{cm}^{-1}$  at 267 nm

Lithium salt form

Store at  $-20^\circ\text{C}$ 

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

**Released By**

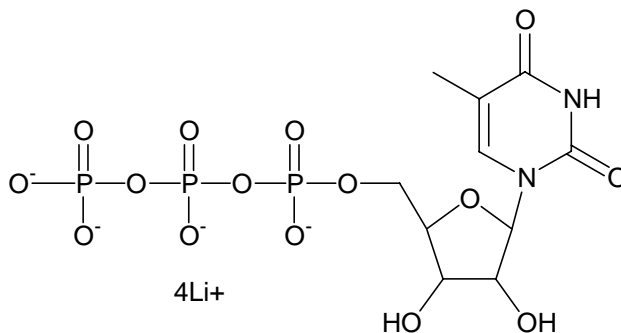
QA

December 23, 2009

Date

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QA

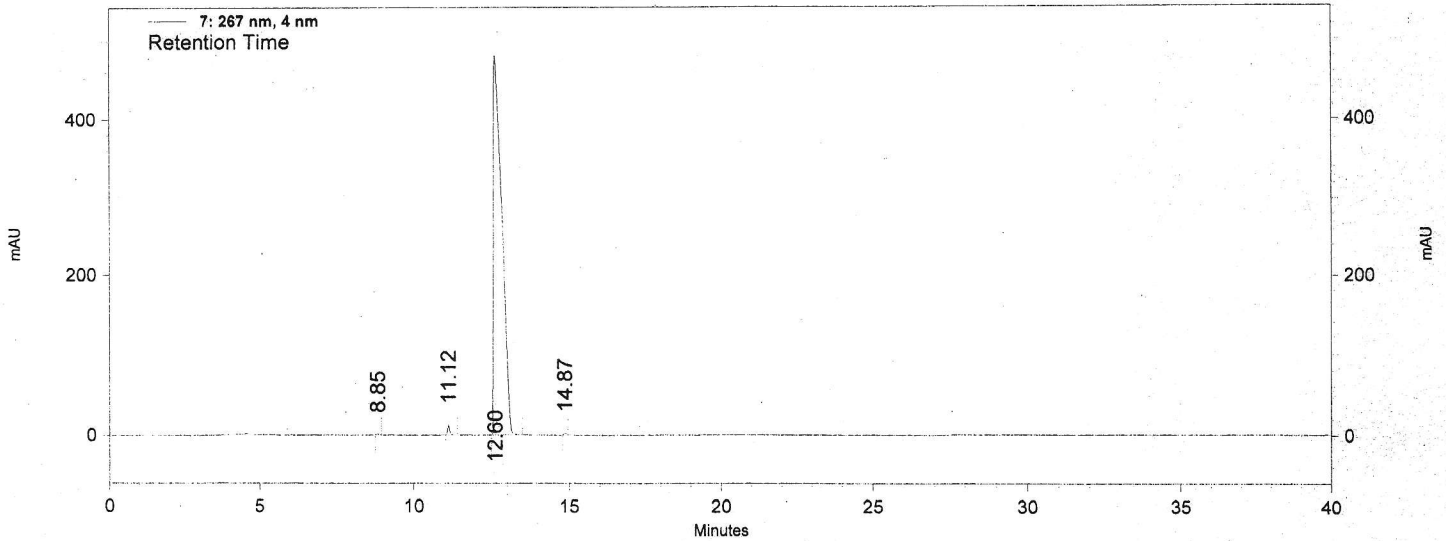
December 23, 2009

Date

**AX-HPLC** : Dionex DNA PAC PA-100 4 x 250 mm  
**Buffer A** : 25mM Tris Base, pH 9-11    **Buffer B** : 25mM Tris Base, 1M LiCl, pH 9-11  
**Gradient** : 0-50 % B over 40 min    **Flow Rate** : 1 mL/min    **Temperature** : Room Temperature

**Sample ID** : N1024-121406  
**Acquired** : 12/21/2009 5:40:36 PM

CA32Karat\Projects\Default\Data\QXD12090097.dat



7: 267 nm, 4 nm Results

Retention Time	Area	Area Percent
8.85	7523	0.08
11.12	59606	0.65
12.60	9155292	99.13
14.87	12985	0.14
<b>Totals</b>	<b>9235406</b>	<b>100.00</b>