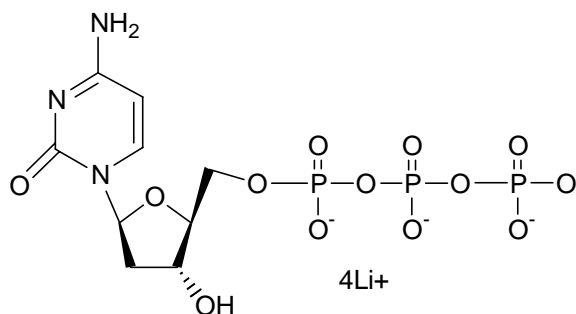


Compound**2'-Deoxy-L-cytidine-5'-Triphosphate**Mol. Formula: $C_9H_{16}N_5O_{13}P_3$ (free acid)

Lot Number: N-2054-061302

**Catalog # (Pack Size)**N-2054-1 (1 μ mole)
N-2054-5 (5 μ moles)
N-2054-10 (10 μ moles)
N-2054-BK (Bulk amount)**Packaged As**100 mM solution in H_2O **Purity**96.9% 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 NMRMass Spec

Found Mass: 466.0 amu; Pass

UV Spec**Attachments**

AX-HPLC

Comments

Molecular weight = 467.2 g/mole (free acid)

Extinction coefficient = 9,100 $Lmol^{-1}cm^{-1}$ at 271 nm

Lithium salt form

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

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

Released By

QA

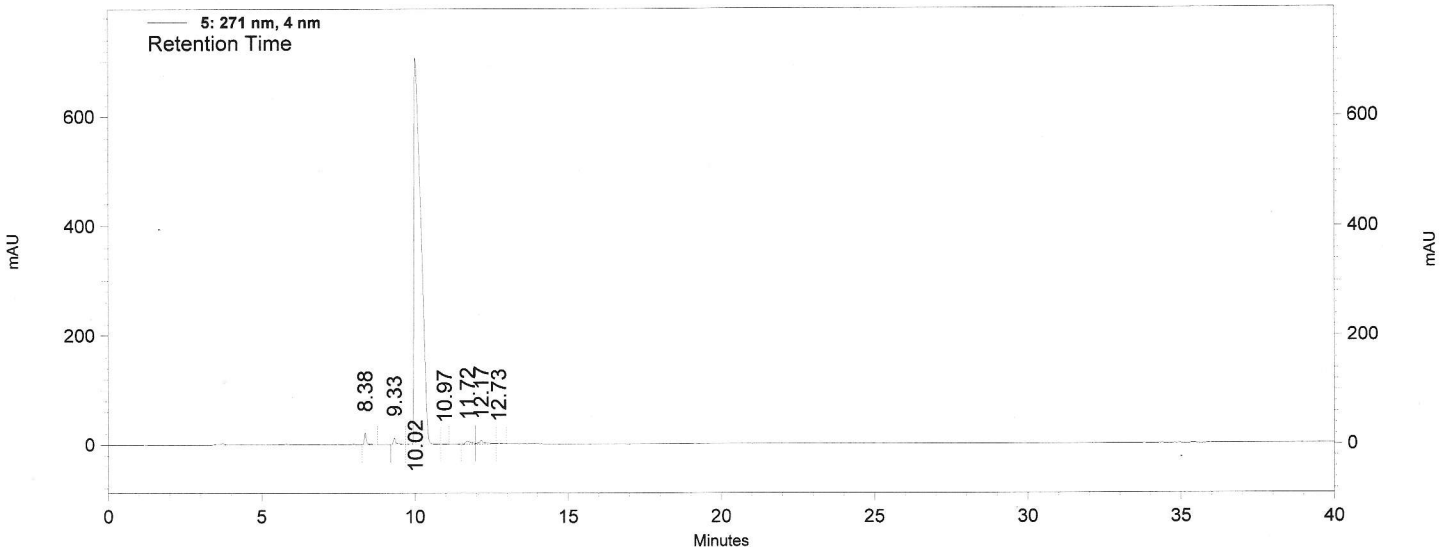
February 4, 2010

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 : N2054-061302
Acquired : 1/26/2010 10:24:49 AM

C:\32Karat\Projects\Default\Data\QD0110\QXD\QXD0110-0233.dat



5: 271 nm, 4 nm Results

| Retention Time | Area | Area Percent |
|----------------|-----------------|---------------|
| 8.38 | 94289 | 0.83 |
| 9.33 | 72203 | 0.63 |
| 10.02 | 11045898 | 96.99 |
| 10.97 | 6343 | 0.06 |
| 11.72 | 71601 | 0.63 |
| 12.17 | 86572 | 0.76 |
| 12.73 | 12297 | 0.11 |
| Totals | 11389203 | 100.00 |