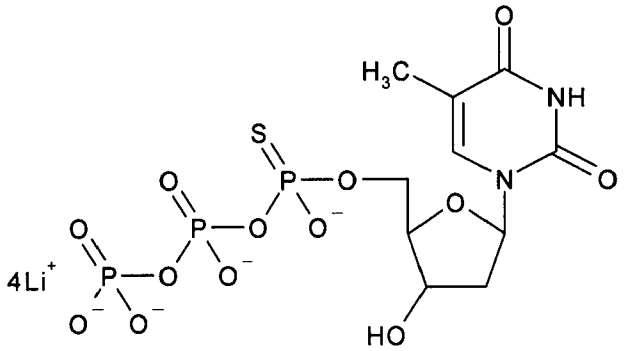
TriLink BioTechnologies

Certificate of Analysis

(1-Thio)-2'-dTTP

N-8004



2'-Deoxythymidine-5'-O-(1-Thiotriphosphate)

Product Information

Catalog # (Pack Size):	N-8004-1 (1 µmole)	**Manufacturing Lot #:**	N8004-T1UC01A
	N-8004-5 (5 µmole)	**Packaging Lot #:**	N8004-T1UC01A-4
	N-8004-10 (10 µmole)	**Extinction Coefficient:**	9,650 $Lmol^{-1}cm^{-1}$ @ 267 nm
	N-8004-BK (Bulk Amount)	**Molecular Weight:**	498.2 g/mole (free acid)
		Molecular Formula:	$C_{10}H_{17}N_2O_{13}P_3S$ (free acid)
Packaged As:	100 mM in H_2O	**Final Salt Form:**	Li+
Recommended Storage:	-20°C or below	**Handling:**	Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

QC Analysis

	Method of Analysis:	Results:
Manufacturing Lot:	AX-HPLC	Passes
	^{31}P NMR	Passes
	^{1}H NMR	Passes
	Mass Spec	Passes
	UV-Spec	Passes
Packaging Lot:	AX-HPLC	98.2%

QA Approval

Approved By: [signature] QA

8/26/2014 Date

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Final Data
Released By J.D.
Date 8/21/14

AX-HPLC : QTP-2021 Revision: 002

Sample ID : N8004-T1UC01A-4
Injection : 15 µL
Acquired : 8/20/2014 7:42:27 PM

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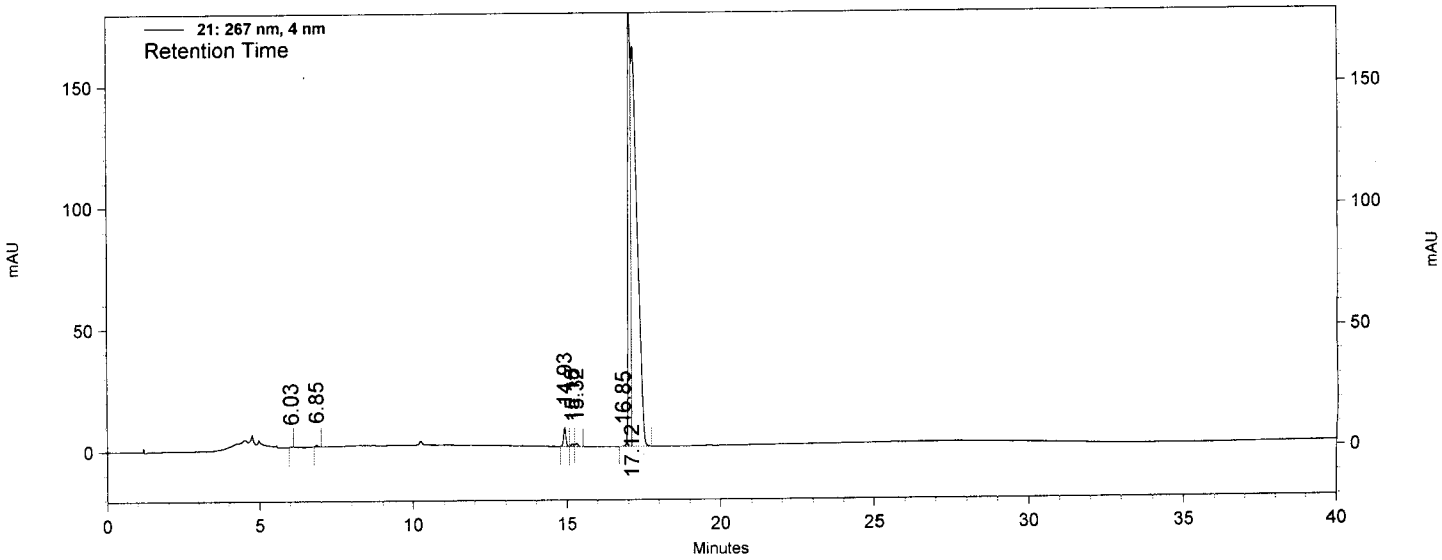

21: 267 nm, 4 nm Results

Retention Time	Area	Area Percent
6.03	1251	0.04
6.85	3562	0.10
14.93	40263	1.15
15.18	6597	0.19
15.32	8276	0.24
16.85	1127349	32.29
17.12	2304301	66.00

Totals		
	3491599	100.00