TriLink BioTechnologies

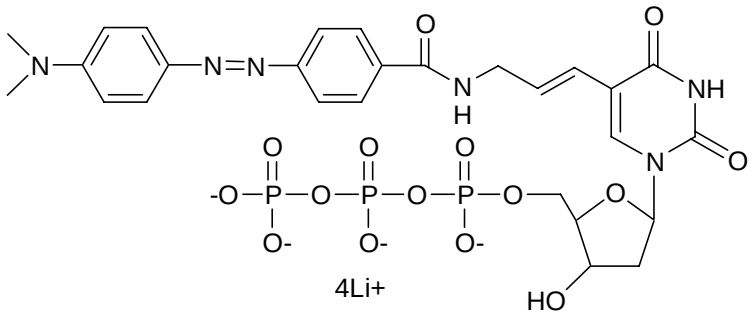
Certificate of Analysis

Compound

Dabcyl- [5- (3-aminoallyl)]-2'-deoxyuridine-5'-Triphosphate

Molecular Formula: $C_{27}H_{33}N_6O_{15}P_3$ (free acid)

Lot Number: N-5007-022805



Catalog # (Pack Size) N-5007-0100 (100 nmoles)

Packaged As 10 mM solution in H_2O

Purity

92.2% by RP-HPLC

100% by ^{31}P NMR

Method of Analysis

RP-HPLC

Column: Waters DeltaPAC, C18, 300 A, 300 x 3.9 mm

Buffer A: 100 mM TEAA, pH 7.0-7.5

Buffer B: ACN

0-100% B over 40 minutes, 1.0 mL/minute

^{31}P NMR

^{1}H NMR

Mass Spec

Found Mass: 774.0 amu; Pass

UV Spec

Attachments RP-HPLC

Comments

Molecular weight = 774.5 g/mole (free acid)

Extinction coefficient = 32,000 $Lmol^{-1}cm^{-1}$ at 467 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.

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Released By

March 3, 2010

QA Date

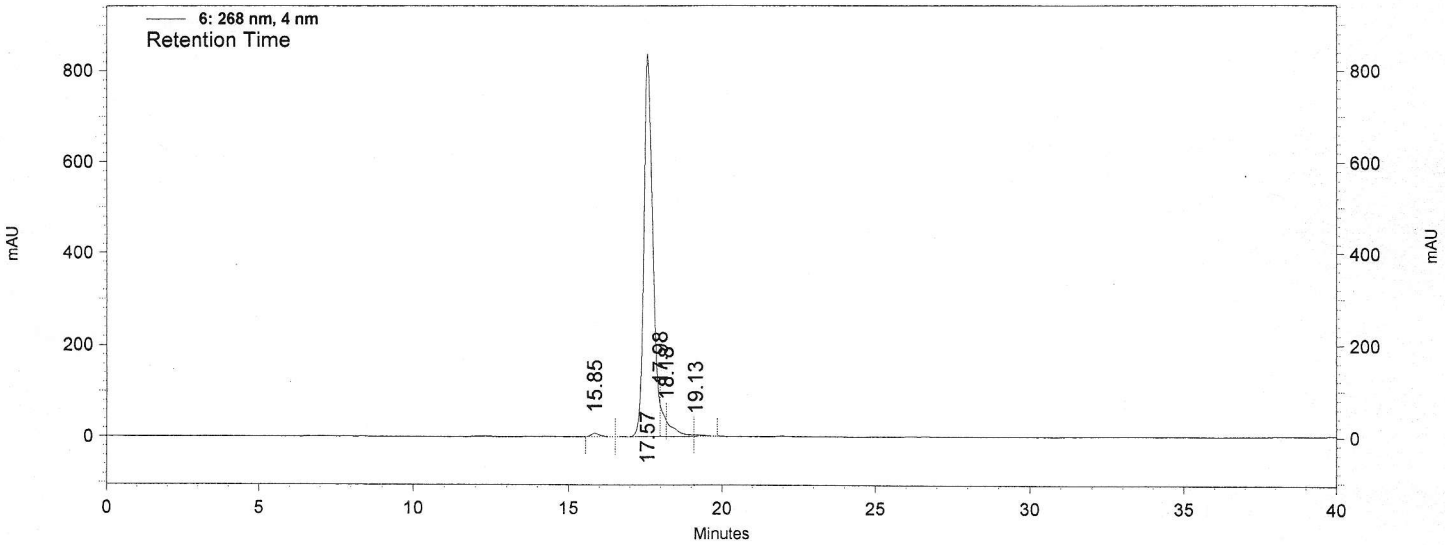
TriLink BioTechnologies

Final Data
Released by GP
Date 03/02/10

RP-HPLC : WATERS DELTAPak, C18, 15 um, 300 A, 300x3.9 mm
Buffer A : 100 mM TEAA pH = 7-7.5 **Buffer B** : Acetonitrile
Gradient : 0-100% B over 40 min **Flow Rate** : 1 mL/min **Temperature** : RT

Sample ID : N5007-022805
Acquired : 3/2/2010 7:57:05 AM

C:\32Karat\Projects\Default\Data\QC0310\QRC\QRC0310-0017.dat



6: 268 nm, 4 nm Results

Retention Time	Area	Area Percent
15.85	129058	0.71
17.57	16875850	92.24
17.98	594547	3.25
18.18	633815	3.46
19.13	62279	0.34
Totals	18295549	100.00

The Modified Nucleic Acid Experts

9955 Mesa Rim Road | San Diego, CA 92121 | 800-863-6801 | www.trilinkbiotech.com | info@trilinkbiotech.com