

DATA SHEET

AA-dUTP – 5-(3-Aminoallyl)-2'-deoxyuridine 5'-triphosphate

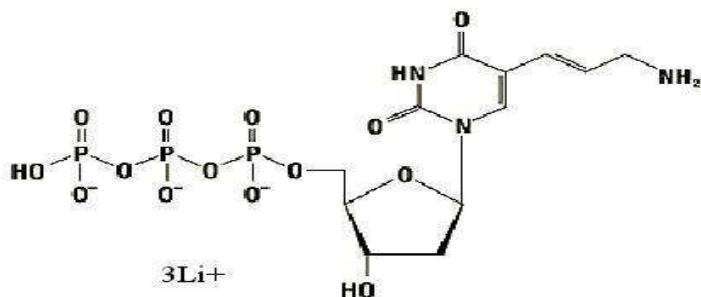
CAT NO

02-51-00001

DESCRIPTION

5-(3-aminoallyl)-2'-deoxyuridine 5'-triphosphate

AA-dUTP can be used for enzymatic indirect non-radioactive labeling of DNA in PCR, nick-translation, cDNA synthesis or primer extension reactions. It can be incorporated into DNA using Reverse Transcriptase, Taq DNA Polymerase, Klenow Fragment. The resulting aminoallyl-containing DNA can be subsequently labeled with any amine-reactive fluorescent dye, biotin or hapten, resulting in a uniform and high density labeling of DNA.



CONCENTRATION

10 mM

STORAGE CONDITION

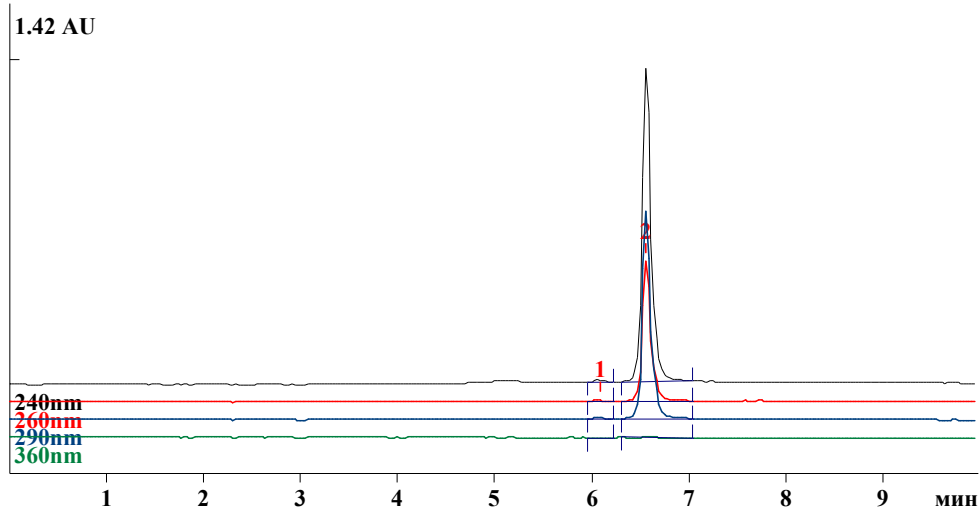
-20°C

PURITY

96 – 99 % according to HPLC analysis.

DATA SHEET

QUALITY CONTROL



SAMPLE: AAdUTP
Vial number: 1
Volume: 2.0 µl
Dilution: 1.00
Amount: 1.00

COLUMN: ProntoSIL-120-5-C18 AQ
Size: 2.0x 75 mm
Number: 0322
Part.size: 5.0 µm

ELUENT: 0.05M TEAAc in water, pH7.6
20%CH3CN in 0.05M TEAAc , pH7.6

Flow: 150.0 ul/min
Temperature: 35° C
Pressure: 3.1 MPa

RESULTS

Quantitation method:
Standard component:
Channel: 260nm
Normalization: 100.00

No	Retention min	Height AU	Area AU*sec	Area %	240nm	290nm	360nm
1	6.08	0.00	0.026	0.85	2.387	1.672	-0.033
2	6.56	0.48	3.049	99.15	2.290	1.472	0.002
2	9.97	0.48	3.075	100.00			