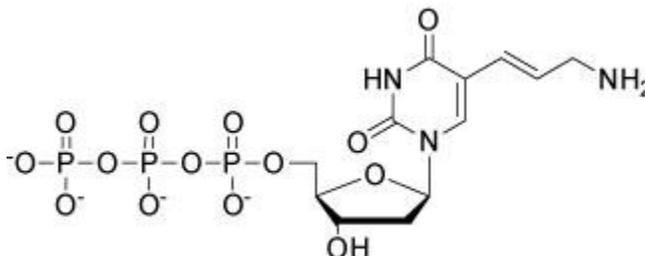


Modified Nucleotide

5-(3-aminoallyl)-dUTP

Store at or below -70°C .
 Do not store in a frost-free freezer.

Catalog # (P/N):	AM8439
Volume:	50 μL
Concentration:	50 mM
Product Description:	5-(3-aminoallyl)-dUTP provides a reactive group for post-synthesis labeling of cDNA.
Structure:	



Storage Conditions:	Store at or below -70°C . Avoid multiple freeze-thaw cycles. Aliquots of the product may be stored short-term at -20°C . Do not store in a frost-free freezer.
Storage Buffer:	10 mM Tris-HCl pH 7.5

USER INFORMATION

General Information:	When incorporated into DNA, 5-(3-aminoallyl)-dUTP provides a reactive group for addition of other chemical groups. The modified dUTP is readily incorporated by reverse transcriptase. The aminoallyl modification enables downstream reaction with amine-reactive compounds such as N-hydroxysuccinimide (NHS) esters; thus aminoallyl-modified cDNA can be labeled with any amine-reactive group moiety.
	Use 5-(3-aminoallyl)-dUTP as recommended in your protocol for reverse transcription. Substitution of 30–80% of the dTTP with 5-(3-aminoallyl)-dUTP may be useful, but the exact proportion will depend on experimental goals.

QUALITY CONTROL

Nonspecific Endonuclease Activity:	A sample is incubated with supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.
Exonuclease Activity:	A sample is incubated with labeled double-stranded DNA, followed by PAGE analysis.
RNase Activity:	A sample is incubated with labeled RNA, followed by PAGE analysis.

OTHER INFORMATION

Safety Data Sheets:	Safety Data Sheets (SDSs; previously known as MSDSs) for any chemical product supplied by Applied Biosystems or Ambion are available 24 hours a day. At www.appliedbiosystems.com , select Support , then SDS/MSDS . Search by chemical name, product name, product part number, or SDS/MSDS part number. Right-click to print or download the SDS of interest. At www.ambion.com , go to the web catalog page for the product of interest. Select SDS/MSDS , then right-click to print or download. Or, e-mail (MSDS_Inquiry_CCRM@lifetech.com), telephone (650-554-2756; USA), or fax (650-554-2252; USA) your request, specifying the catalog or part number(s) and the name of the product(s). We will e-mail the associated SDSs unless you request fax or postal delivery. Requests for postal delivery require 1-2 weeks for processing.
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Warranty and Liability:	For research use only. Not intended for any animal or human therapeutic or diagnostic use.
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