Bio-16-ddUTP . tetralithium salt

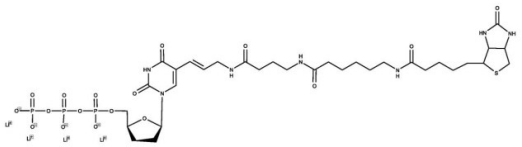
Bio-16-ddUTP (Biotin-16-2',3'-dideoxyuridine-5'-triphosphate) can be used for 3'-end labeling of single-stranded or double-stranded DNA. It is especially useful as a substrate for terminal transferase for the 3'-terminal addition of a single Bio-16-ddUMP. Biotin-labeled oligonucleotides produced by this reaction are suitable as hybridization probes. Biotin-labeled cDNA produced by this reaction can be used in nucleic acid array assays. Biotin-labeled DNA in hybridization assays can be detected by a reporter molecule linked to streptavidin, avidin, or and anti-biotin antibody. Such a complex can be detected directly, e.g. by the excitation of a fluorophore conjugated to streptavidin, or indirectly, e.g. using an enzyme conjugate that can produce an insoluble colored precipitate. Bio-16-ddUTP is also a substrate for *Taq* DNA Polymerase and other DNA polymerases.

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ENZ-42813	25nmol

Manuals, SDS & CofA View Online »



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Biotin-16-2',3'-dideoxyuridine-5'-triphosphate . 4Li
Appearance	Clear, colorless liquid.
Concentration	1mM
Extinction Coefficient	10,700 M-1 cm-1 (240 nm, pH 7.0)
Formula	$C_{32}H_{48}Li_4N_7O_{17}P_3S$
Formulation	Liquid. Solution in water.
MW	927.7 . 28.0
Purity	≥93% (HPLC)
Purity Detail	Contains <5% Bio-16-ddUDP.
Technical Info / Product Notes	Several of Enzo's products and product applications are covered by US and foreign patents and patents pending.

Last modified: May 29, 2024

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