Bio-N6-ddATP

Bio-N^6-ddATP (Biotin-N^6-(2',3'-dideoxy)adenosine-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-N^6-ddAMP. 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-N^6-ddATP is also a substrate for *Taq* DNA Polymerase and other DNA polymerases.

Citations: 3 View Online »

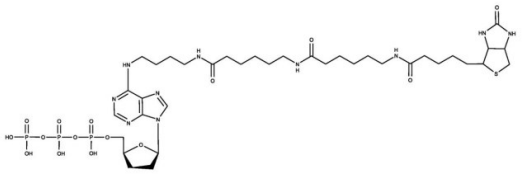
Ordering Information

Order Online »

ENZ-42809	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-N6-(2',3'-dideoxy)-adenosine-5'-triphosphate
Appearance	Clear, colorless liquid.
Concentration	1mM
Extinction Coefficient	17,000 M-1 cm-1 (265 nm, pH 7.0)
Formula	$C_{36}H_{61}N_{10}O_{15}P_3S$
Formulation	Liquid. Solution in water.
MW	998.9 (free acid)
Purity	≥93% (HPLC)
Purity Detail	Contains <5% Bio-N6-ddADP.
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

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.