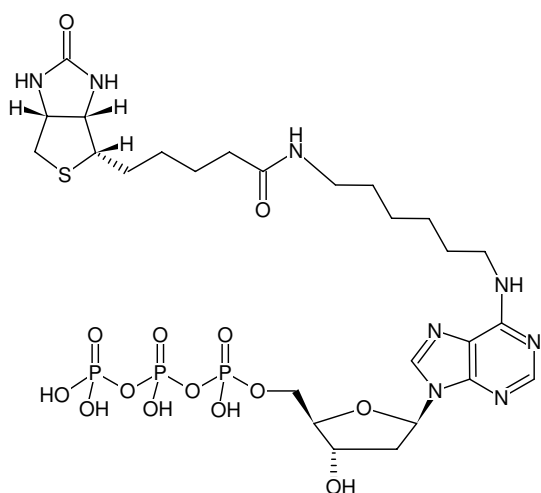


**Biotin-7-dATP**N⁶-(6-Aminoethyl)-dATP - Biotin

Bio-7-dATP

N⁶-(6-Aminoethyl)-2'-deoxyadenosine-5'-triphosphate - Biotin, Triethylammonium salt

Cat. No.	Amount
NU-835-BIO-S	200 µl (1 mM)
NU-835-BIO-L	5 x 200 µl (1 mM)

Applications:Incorporation by terminal deoxynucleotidyl transferase^[1]Incorporation by nick translation^[2]**Selected References:**[1] Flickinger *et al.* (1992) Differential incorporation of biotinylated nucleotides by terminal deoxynucleotidyl transferase. *Nucleic Acids Res.* **20**:2382.[2] Gebeyehu *et al.* (1987) Novel biotinylated nucleotide-analogs for labeling and colorimetric detection of DNA. *Nucleic Acids Res.* **15 (21)**:4513.

Structural formula of Biotin-7-dATP

For general laboratory use.**Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery**Molecular Formula:** C₂₆H₄₃N₈O₁₄P₃S (free acid)**Molecular Weight:** 816.65 g/mol (free acid)**Exact Mass:** 816.18 g/mol (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** filtered solution (30 kDa) in water**Color:** colorless to slightly yellow**Concentration:** 1.0 mM - 1.1 mM**pH:** 7.5 ±0.5**Spectroscopic Properties:** λ_{max} 266 nm, ε 16.2 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)