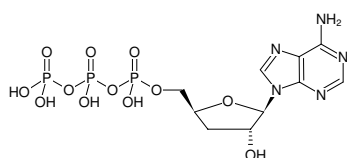


**3'-dATP**

(Cordycepin triphosphate)

3'-Deoxyadenosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-1123S	50 µl (10 mM)
NU-1123L	5 x 50 µl (10 mM)



Structural formula of 3'-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:** C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub> (free acid)**Molecular Weight:** 491.18 g/mol (free acid)**Exact Mass:** 491.00 g/mol (free acid)**CAS#:** 73-04-1**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 10 mM - 11 mM**pH:** 7.5 ± 0.5**Spectroscopic Properties:** λ<sub>max</sub> 259 nm, ε 15.4 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)**Applications:**3'-end labeling of RNA with recombinant yeast poly(A) polymerase<sup>[1]</sup>3'-end labeling of oligonucleotide primers<sup>[2]</sup>**Selected References:**[1] Lingner *et al.* (1993) 3'-end labeling of RNA with recombinant yeast poly (A) polymerase *Nucleic Acids Research* **21** (12):2917.[2] Austermann *et al.* (1992) Inhibition of human immunodeficiency virus type 1 reverse transcriptase by 3'-blocked oligonucleotide primers. *Biochem. Pharmacol.* **43** (12):2581.Ozsolak *et al.* (2009) Direct RNA sequencing. *Nature* **461** (7265):814.Shuman (1995) Vaccinia virus DNA ligase: specificity, fidelity, and inhibition. *Biochemistry* **34** (49):16138.Labruyere *et al.* (1990) Characterization of ATP and calmodulin-binding properties of a truncated form of Bacillus anthracis adenylate cyclase. *Biochemistry* **29** (20):4922.Freist *et al.* (1983) Isoleucyl-tRNA synthetase from Baker's yeast. Catalytic mechanism, 2',3'-specificity and fidelity in aminoacylation of tRNA<sup>Ile</sup> with isoleucine and valine investigated with initial-rate kinetics using analogs of tRNA, ATP and amino acids. *Eur J Biochem.* **131** (1):65.