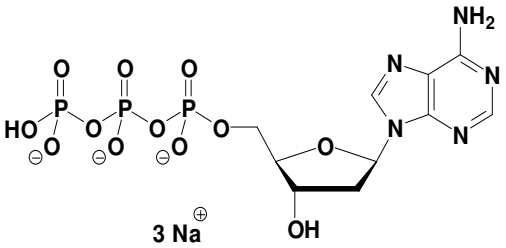
DATA SHEET

dATP

2'-Deoxyadenosine 5'-triphosphate, 100 mM sodium salt solution

	Cat. No.	Volume	Amount
	DATP_100ML	100 ml	100 mM
	DATP_1000ML	1000 ml	100 mM



Structural formula of dATP - Solution

For *in vitro* use only!

Shipping: shipped on blue ice

Storage Conditions: store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

Shelf Life: 12 months

Molecular Formula: $C_{10}H_{13}N_5O_{12}P_3$ (Anion)

Molecular Weight: 488,16 g/mol (Anion)

CAS#: 1927-31-7

Purity: ≥ 99 % (HPLC)

Form: clear aqueous solution

Concentration: 100 mM - 110 mM

pH: 8.5 ±0.2 (22 °C)

Spectroscopic Properties: λ_{max} 259 nm;
ε 15.1 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.0)

Description:
dATP, PCR-grade is supplied as ultrapure aqueous solution (pH 8.5) and suitable for all molecular biology applications including PCR/qPCR, reverse transcription, DNA labeling and DNA sequencing.

Selected References:
Erlich *et al.* (1988) Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* **29 (239)**:487.

Holland *et al.* (1991) Detection of specific polymerase chain reaction product by utilizing the 5'----3' exonuclease activity of *Thermus aquaticus* DNA polymerase. *Proc. Natl. Acad. Sci. USA* **88 (16)**:7276.

Sanger *et al.* (1977) DNA sequencing with chain-terminating inhibitors. *Proc. Natl. Acad. Sci. USA* **74**:5463.

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