

PRODUCT INFORMATION

100mM dATP

v. 230101

Catalog number	C15005-1ML
Set Package	1 mL
Description	Deoxyadenosine triphosphate (dATP) is a purine nucleoside triphosphate used in cells for DNA synthesis. A nucleoside triphosphate is a molecule type that contains a nucleoside with three phosphates bound to it. It can be used in PCR, RT, qPCR, RT-qPCR, NGS and other molecular biology experiments. The concentration of this product is 100 mM, diluted with ultrapure water as a sodium salt at pH 7.5.
Concentration	100 mM
Components	dATPs (100 mM each)
Product Name	2'-Deoxyadenosine-5'-triphosphate, sodium salt solution
Molecular Formula	$C_{10}H_{13}N_5Na_3O_{12}P_3$
Molecular Weight	557.13
CAS No	54680-12-5
Purity (HPLC)	≥99.0%
pH	7.5±0.2
λ max	260nm±2nm
Properties	Colorless transparent solution
Abs (pH 7.5)	A250/A260 = 0.75-0.81 ; A280/A260 = 0.13-0.18
Storage Temperature	-20°C
Note	Can be diluted using sterile distilled water, preferably Milli-Q® water, or sterile TE (10 mM Tris-HCl, 1 mM EDTA, pH 7.5).
QC Process	<ol style="list-style-type: none">1. Purity is above 99% detected by HPLC.2. Free of detectable DNA exonuclease and endonuclease.3. No residual host genomic DNA detected by PCR.4. Free of RNase activity.

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