

## Product Datasheet

### dATP - Solution (orb533044)

<b>Catalog Number</b>	orb533044
<b>Category</b>	Small Molecules
<b>Description</b>	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.
<b>Form/Appearance</b>	clear aqueous solution; pH: 8.5 ± 0.2 (22 °C)
<b>Concentration</b>	100 mM-110 mM
<b>Purity</b>	≥ 99% (HPLC)
<b>MW</b>	Theoretical MW: 491.18 g/mol (free acid)
<b>Application notes</b>	<b>Spectroscopic Propertie:</b> λ <sub>max</sub> 259 nm, ε 15.1 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl, pH 7.0).
<b>CAS Number</b>	1927-31-7
<b>Formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>12</sub> P <sub>3</sub>
<b>SMILES</b>	O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)C1
<b>Storage</b>	store at -20 °C
<b>Hazard Information</b>	Non-Toxic
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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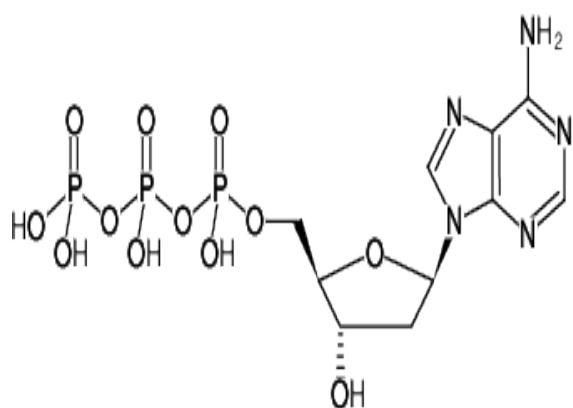
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Structural formula of dATP - Solution.

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