

Product Datasheet

dATP - Solution (orb2646551)

Catalog Number	orb2646551
Category	Small Molecules
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.
Form/Appearance	clear aqueous solution
Concentration	100 mM - 110 mM
Purity	≥ 99 % (HPLC)
MW	491.18 g/mol (free acid)
Application notes	Spectroscopic Properties: λ _{max} 259 nm, ε 15.1 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.0)
CAS Number	1927-31-7
Formula	C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ (free acid)
SMILES	<chem>C(/C=C/c1cn(c(=O)[nH]c1=O)[C@H]1C[C@@H]([C@H](O1)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)NC(=O)CCCCNC(=O)CCCCNC(=O)c1ccc(c(C(=O)O)c1)c1c2c(c3-c1ccc(=[NH2+])c3S(=O)(=O)[O-])c(c(cc2)N)S(=O)(=O)O</chem>
Storage	store at -20 °C
Note	For research use only
Expiration Date	12 months from date of receipt.

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