

Product Datasheet

dNTP Mix dUTP - Solution (orb1734206)

Catalog Number	orb1734206
Category	Small Molecules
Description	dNTP Mix incl. dUTP is an mixture of 10 mM ultrapure dATP, dCTP, and dGTP, and 20 mM dUTP supplied as clear aqueous solution (pH 8.5). dUTP can be used in place of dTTP in PCR and RT-PCR protocols to prevent carry-over contaminations from previous amplifications.
Form/Appearance	clear aqueous solution; pH: 8.5 ± 0.2 (22 °C)
Purity	≥ 99% (HPLC)
MW	Theoretical MW: dATP: 491.18 g/mol (free acid), dCTP: 467.15 g/mol (free acid), dGTP: 507.18 g/mol (free acid), dUTP: 468.14 g/mol (free acid)
Formula	dATP: C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ ; dCTP: C ₉ H ₁₆ N ₃ O ₁₃ P ₃ ; dGTP: C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃ ; dUTP: C ₉ H ₁₅ N ₂ O ₁₄ P ₃
SMILES	O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)C1.Nc1ccn(c(=O)n1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1.Nc1[nH]c(=O)c2ncn(c2n1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1.O=c1ccn(c(=O)[nH]1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1
Storage	store at -20 °C
Note	For research use only
Expiration Date	12 months from date of receipt.

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