

Product Datasheet

dNTP Mix dUTP - Solution (orb1734206)

Description	dNTP Mix incl. dUTP is an mixture of 10 mM ultrapure dATP, dCTP, and dGTP, and 20 mM dUTP supplied a...
Form/Appearance	clear aqueous solution; pH: 8.5 ± 0.2 (22 °C)
Storage	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
Note	For research use only
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
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)
SMILES	O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](n2cn c3c(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
Expiration Date	12 months from date of receipt.