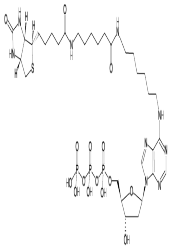
Product Datasheet

Biotin-14-dATP (orb533181)

Description	Biotin-14-dATP is enzymatically incorporated into DNA/cDNA as substitute for its natural counterpar...
Form/Appearance	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	1.0 mM-1.1 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Incorporation into DNA/cDNA by: Nick Translation with DNAse I/DNA Polymerase I & in-house data; Primer Extension with Klenow fragment. **Spectroscopic Propertie**: λmax 266 nm, ε 16.2 L mmol-1 cm-1 (Tris-HCl, pH 7.5).
Formula	$C_{32}H_{54}N_9O_{15}P_3S$
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 929.81 g/mol (free acid); Detected MW: 929.27 g/mol (free acid)
SMILES	OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cnc3c(NCCCCCCNC(=O)CCCCCNC(=O)CCCC[C@@H]4SC[C@@H]5NC(=O)N[C@H]45)ncnc23)C[C@@H]1O
Hazard Information	Non-Toxic
Expiration Date	12 months from date of receipt.



Structural formula of Biotin-14-dATP.

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