

Product Datasheet

AMCA-6-dUTP (orb178359)

Description	AMCA-6-dUTP is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and Nick Translatio...
Form/Appearance	filtered solution (30 kDa) in 10 mM Tris-HCl; 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: PCR with Taqpolymerasein-house data; Nick Translation with DNase I/DNA Polymerase lin-house data. Spectroscopic Propertie: λ _{exc} 350 nm, λ _{em} 450 nm, ε 19.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₃₀ H ₄₀ N ₅ O ₁₈ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 851.58 g/mol (free acid); Detected MW: 851.16 g/mol (free acid)
SMILES	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)Cc1c(c2c(oc1=O)cc(cc2)N)C
Expiration Date	12 months from date of receipt.