

Product Datasheet

Biotin-11-dCTP (orb1733851)

Description	Biotin-11-dCTP is enzymatically incorporated into DNA/cDNA as substitute for its natural counterpart...
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. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Application notes	FISH; SNP-analysis; Nick-translation; TUNEL. Spectroscopic Propertie: λ _{max} 294 nm, ε 9.3 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₂₈ H ₄₄ N ₇ O ₁₆ P ₃ S
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 859.67 g/mol (free acid); Detected MW: 859.18 g/mol (free acid)
CAS Number	136632-30-9
SMILES	<chem>N(CC#Cc1c(nc(=O)n([C@H]2C[C@@H]([C@H](O2)COP(=O)(OP(=O)(OP(=O)(O)O)O)O)c1)N)C(=O)CCCCNC(=O)CCCC[C@H]1[C@H]2NC(=O)N[C@H]2CS1</chem>
Expiration Date	12 months from date of receipt.