

Product Datasheet

5-Propargylamino-dCTP-Texas Red (orb533144)

Description	5-Propargylamino-dCTP-Texas Red is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR...
Form/Appearance	solution in water; Color: red-violet; 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 Taqpolymerase in-house data; Nick Translation with DNase I/DNA Polymerase in-house data. Spectroscopic Propertie: λ _{exc} 588 nm, λ _{em} 609 nm, ε 80.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₉ H ₅₈ N ₇ O ₂₀ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1222.07 g/mol (free acid); Detected MW: 1221.24 g/mol (free acid)
SMILES	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCCNS(=O)(=O)c1cc(c(cc1)C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-])N)O.[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCCNS(=O)(=O)c1cc(ccc1)C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-])N)O
Expiration Date	12 months from date of receipt.