

Product Datasheet

Rhodamine-12-dUTP (orb1733875)

Description	Rhodamine-12-dUTP is recommended for direct enzymatic labeling of DNA/cDNA by Nick Translation. It i...
Form/Appearance	solution in water; Color: orange; 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	Incorporation into DNA/cDNA by Nick Translation with DNase I/DNA Polymerase Iin-house data. Spectroscopic Propertie: λ _{exc} 505 nm, λ _{em} 530 nm, ε 85.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5), CF 280 nm 0.27, CF 260 nm 0.39.
Formula	C ₃₉ H ₄₃ N ₆ O ₁₉ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 992.71 g/mol (free acid); Detected MW: 992.18 g/mol (free acid)
SMILES	[nH]1c(=O)c(cnc1=O)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1)/C=C/CNC(=O)CCCCCNC(=O)c1ccc(c(c1)c1c2ccc(cc2oc2c1ccc(=[NH2+])c2)N)C(=O)[O-]
Expiration Date	12 months from date of receipt.