Product Datasheet

Fluorescein-12-dUTP (orb63592)

Description	Fluorescein-12-dUTP is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and Nick Tr...
Form/Appearance	solution in water; Color: yellow-orange; 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 Iin-house data. **Spectroscopic Propertie**: λexc 492 nm, λem 517 nm, ε 83.0 L mmol-1 cm-1 (Tris-HCl pH 7.5).
Formula	$C_{39}H_{41}N_4O_{21}P_3$
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 994.69 g/mol (free acid); Detected MW: 994.15 g/mol (free acid)
SMILES	O=c1ccc2c(c1)oc1cc(O)ccc1c2c1c(ccc(c1)C(=O)NCCCCCC(=O)NC/C=C/c1cn(c(=O)[nH]c1=O)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1)C(=O)O.O=c1c(cn(c(=O)[nH]1)[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)c1cc(c(c2c3ccc(O)cc3oc3cc(=O)ccc23)cc1)C(=O)O
Expiration Date	12 months from date of receipt.

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