

Product Datasheet

Fluorescein-12-UTP (orb533163)

Description	Fluorescein-X-(5-aminoallyl)-UTP
Form/Appearance	solution in 10 mM Tris-HCl; Color: yellow-orange; pH: 7.5 ± 0.5
Concentration	5.0 mM-5.5 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Genome wide expression profiling; Identification of light and temperature entrained oscillating transcripts; Analysis of gene regulation; Estimation of evolutionary homologies. Spectroscopic Propertie: λ _{exc} 492 nm, λ _{em} 517 nm, ε 83.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₃₉ H ₄₁ N ₄ O ₂₂ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1010.68 g/mol (free acid); Detected MW: 1010.14 g/mol (free acid)
SMILES	<chem>O=c1ccc2c(c1)oc1cc(O)ccc1c2c1c(ccc(c1)C(=O)NCCCCC(=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]([C@H]1O)O)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]([C@H]1O)O)/C=C/CNC(=O)CCCCCNC(=O)c1cc(c(c2c3ccc(O)cc3oc3cc(=O)ccc23)cc1)C(=O)O</chem>
Expiration Date	12 months from date of receipt.