

Product Datasheet

5-Propargylamino-ddUTP (ATTO-590) (orb64804)

Description	5-Propargylamino-ddUTP conjugated to ATTO-590.
Form/Appearance	solution in water; Color: red-violet; pH: 7.5 ± 0.5
Concentration	0.50 mM-0.55 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Spectroscopic Propertie: λ_{exc} 593 nm, λ_{em} 622 nm, ϵ 120.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₉ H ₅₄ N ₅ O ₁₇ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1077.91 g/mol (free acid)
SMILES	<chem>C1C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)[nH]c(=O)c(c1)C#CCNC(=O)c1ccc(C(=O)[O-])c(C2=c3cc4C(=CC(C)(C)[N+](=c4cc3Oc3cc4N(CC)C(C)(C)C=C(C)c4cc23)CC)C)c1.C1C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)[nH]c(=O)c(c1)C#CCNC(=O)c1cc(C(=O)[O-])c(C2=c3cc4C(=CC(C)(C)[N+](=c4cc3Oc3cc4N(CC)C(C)(C)C=C(C)c4cc23)CC)C)cc1</chem>
Expiration Date	12 months from date of receipt.