

Product Datasheet

7-Propargylamino-7-deaza-ddGTP (ATTO-565) (orb64631)

Description	7-Propargylamino-7-deaza-ddGTP conjugated to ATTO-565.
Form/Appearance	solution in water; Color: red; pH: 7.5 ± 0.5
Concentration	1.0 mM-1.1 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Spectroscopic Properties: λ_{exc} 564 nm, λ_{em} 590 nm, ϵ 120.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₅ H ₄₈ N ₇ O ₁₇ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1051.83 g/mol (free acid); Detected MW: 1051.23 g/mol (free acid)
SMILES	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c2c(c(c1)C#CCNC(=O)c1ccc(C(=O)[O-]))c(C3=c4cc5CCC[N+](=c5cc4Oc4cc5N(CC)CCCc5cc34)CC)c1)c(=O)[nH]c(n2)N)O.[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c2c(c(c1)C#CCNC(=O)c1ccc(C(=O)[O-]))c(C3=c4cc5CCC[N+](=c5cc4Oc4cc5N(CC)CCCc5cc34)CC)cc1)c(=O)[nH]c(n2)N)O
Expiration Date	12 months from date of receipt.