

Product Datasheet

7-Propargylamino-7-deaza-dATP (ATTO-565) (orb64736)

Description	7-Propargylamino-7-deaza-dATP 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 Propertie: 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 ₁₆ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1035.83 g/mol (free acid); Detected MW: 1035.24 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)c1c(ncn2)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)c1cc(c(cc1)C1=c3c(Oc4c1cc1c(c4)N(CCC1)CC)c1=[N+](CCCc1c3)CC)C(=O)[O-])c(ncn2)N)O
Expiration Date	12 months from date of receipt.