

Product Datasheet

7-Propargylamino-7-deaza-dATP (ATTO-590) (orb64734)

Description	7-Propargylamino-7-deaza-dATP conjugated to ATTO-590.
Form/Appearance	solution in water; Color: red-violet; 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} 593 nm, λ _{em} 622 nm, ε 120.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₅₁ H ₅₆ N ₇ O ₁₆ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1115.96 g/mol (free acid)
SMILES	OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cc(c3c(N)ncnc23)C#CCNC(=O)c2ccc(C(=O)[O-])c(C3=c4cc5C(=CC(C)(C)[N+](=c5cc4Oc4cc5N(CC)C(C)(C)C=C(C)c5cc34)CC)C)c2)[C@H]1O.OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cc(c3c(N)ncnc23)C#CCNC(=O)c2cc(C(=O)[O-])c(C3=c4cc5C(=CC(C)(C)[N+](=c5cc4Oc4cc5N(CC)C(C)(C)C=C(C)c5cc34)CC)C)cc2)[C@H]1O
Expiration Date	12 months from date of receipt.