

Product Datasheet

7-Propargylamino-7-deaza-ddGTP (ATTO-647N) (orb64617)

Description	7-Propargylamino-7-deaza-ddGTP conjugated to ATTO-647N.
Form/Appearance	solution in water; Color: blue; 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} 646 nm, λ_{em} 664 nm, ϵ 150.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₅₆ H ₆₉ N ₈ O ₁₅ P ₃
Purity	≥ 90% (HPLC), contains approx. 3-7% labeled diphosphate
MW	Theoretical MW: 1187.11 g/mol (free acid); Detected MW: 1186.41 g/mol (free acid)
SMILES	<chem>N(CC#Cc1c2c(n(c1)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1)nc(N)[nH]c2=O)C(=O)CCCN(C(=O)c1c(C2=c3cc4c5=[N+](CCC4)CCCC5c3C(c3c2cc2c(c3)N(C(CC2C)(C)C)CC(C)C)cccc1)C</chem>
Expiration Date	12 months from date of receipt.