

Product Datasheet

5-Propargylamino-ddCTP (ATTO-647N) (orb64845)

Description	5-Propargylamino-ddCTP conjugated to ATTO-647N.
Form/Appearance	solution in water; Color: blue; 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} 646 nm, λ_{em} 664 nm, ϵ 150.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₅₄ H ₆₈ N ₇ O ₁₄ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1132.08 g/mol (free acid); Detected MW: 1131.40 g/mol (free acid)
SMILES	<chem>C1C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCN(C(=O)c1c(C2=c3cc4c5=[N+](CCC4)CCCC5c3C(c3c2cc2c(c3)N(C(CC2C)(C)C)CC(C)C)cccc1)C)N</chem>
Expiration Date	12 months from date of receipt.