

Product Datasheet

7-Propargylamino-7-deaza-ddGTP (ATTO-680) (orb64611)

Description	7-Propargylamino-7-deaza-ddGTP conjugated to ATTO-680.
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} 681 nm, λ _{em} 698 nm, ε 125.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₁ H ₄₉ N ₈ O ₁₈ P ₃ S
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1066.86 g/mol (free acid); Detected MW: 1066.21 g/mol (free acid)
SMILES	OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cc(c3c(=O)[nH]c(nc23)N)C#CCNC(=O)CCCN2C(C=C(c3c2cc2c(c3)N=c3c(O2)cc2=[N+](CCCC2c3)CC)CS(=O)(=O)[O-])(C)C)C[C@@H]1O
Expiration Date	12 months from date of receipt.