

Product Datasheet

7-Propargylamino-7-deaza-ddGTP (5/6-TAMRA) (orb64657)

Description	7-Propargylamino-7-deaza-ddGTP conjugated to 5/6-TAMRA.
Form/Appearance	solution in water; Color: pink to 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 Properties: λ _{exc} 545 nm, λ _{em} 575 nm, ε 90.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₃₉ H ₄₀ N ₇ O ₁₇ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 971.70 g/mol (free acid)
SMILES	<chem>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)c2cc(c(cc2)C(=O)[O-])c2c3c(oc4c2ccc(c4)N(C)C)cc(=[N+](C)C)cc3)[C@H]1O.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)c2ccc(c(c2)C(=O)[O-])c2c3c(oc4c2ccc(c4)N(C)C)cc(=[N+](C)C)cc3)[C@H]1O</chem>
Expiration Date	12 months from date of receipt.