

Product Datasheet

ApG (orb533242)

Description	ApG
Form/Appearance	filtered solution (30 kDa) in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	100 mM-110 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Initiator dinucleotide for the 5'-labeling of RNA by in vitro transcription. Spectroscopic Propertie: λ _{max} 260 nm, ε 25.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₂₀ H ₂₅ N ₁₀ O ₁₁ P
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 612.45 g/mol (free acid); Detected MW: 612.14 g/mol (free acid)
SMILES	<chem>Nc1ncnc2c1ncn2[C@@H]1O[C@H](CO)[C@@H](OP(=O)(OC[C@@H]2[C@H]([C@H]([C@@H](O2)n2c3c(nc2)c(=O)[nH]c(n3)N)O)O)[C@H]1O</chem>
Expiration Date	12 months from date of receipt.