

Product Datasheet

5-Propargylamino-dCTP - Solution (orb1733847)

Description	Propargylamino-dCTP is recommended for two-step labeling of DNA e.g. by PCR. It is enzymatically inc...
Form/Appearance	solution in water; Color: slightly yellow; pH: 7.5 ± 0.5
Concentration	100 mM-110 mM
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Application notes	Incorporation into DNA by PCR with Taq polymerase in-house data. Spectroscopic Propertie: λ _{max} 294 nm, ε 9.3 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₁₂ H ₁₉ N ₄ O ₁₃ P ₃
Purity	≥ 93% (HPLC)
MW	Theoretical MW: 520.22 g/mol (free acid); Detected MW: 520.02 g/mol (free acid)
CAS Number	115899-39-3
SMILES	NCC#Cc1cn(c(=O)nc1N)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1
Expiration Date	12 months from date of receipt.