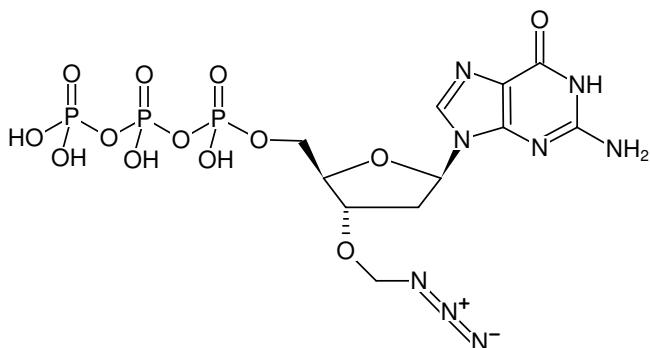




3'-O-Azidomethyl-dGTP - Solution

3'-O-Azidomethyl-2'-deoxyguanosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-1228S	100 µl (10 mM)
NU-1228L	5 x 100 µl (10 mM)



Structural formula of 3'-O-Azidomethyl-dGTP - Solution

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Shelf Life: 12 months after date of delivery

Molecular Formula: C₁₁H₁₇N₈O₁₃P₃ (free acid)

Molecular Weight: 562.22 g/mol (free acid)

Exact Mass: 562.01 g/mol (free acid)

Purity: ≥ 98 % (HPLC)

Form: solution in water

Color: colorless to slightly yellow

Concentration: 10 mM - 11 mM

pH: 8.2 ±0.2

Spectroscopic Properties: λ_{max} 252 nm, ϵ 13.7 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Palla *et al.* (2014) DNA sequencing by synthesis using 3'-O-azidomethyl nucleotide reversible terminators and surface-enhanced Raman spectroscopic detection. *RSC Adv.* **4** (90):49342.

Zavgorodny *et al.* (1991) Alkylthioalkylation of Nucleoside Hydroxyl Functions and Its Synthetic Applications: A New Versatile Method in Nucleoside Chemistry. *Tetrahedron Letters* **32** (51):7593.