



7-Propargylamino-7-deaza-dATP-Cy3

Cy3-dATP

7-Deaza-7-propargylamino-2'-deoxyadenosine-5'-triphosphate, labeled with Cy3, Triethylammonium salt

Cat. No.	Amount
NU-1611-CY3-S	25 µl (1 mM)
NU-1611-CY3-L	5 x 25 µl (1 mM)

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery

Molecular Formula: C₄₅H₅₆N₇O₁₉P₃S₂ (free acid)

Molecular Weight: 1156.01 g/mol (free acid)

Exact Mass: 1155.23 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

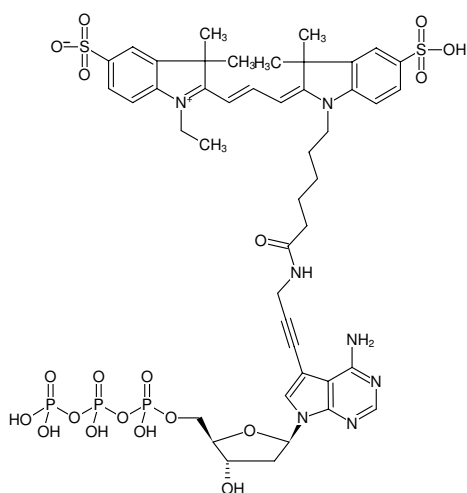
Form: solution in 10 mM Tris-HCl

Color: pink

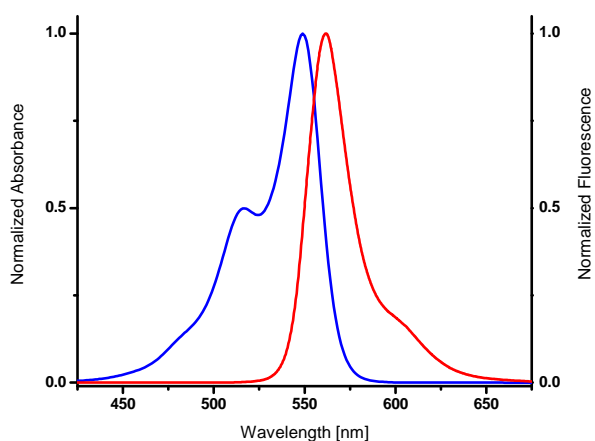
Concentration: 1.0 mM - 1.1 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{exc} 550 nm, λ_{em} 570 nm, ε 150.0 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)



Structural formula of 7-Propargylamino-7-deaza-dATP-Cy3



excitation and emission spectrum of Cy3

Applications:

Incorporation into DNA/cDNA by

- Primer Extension with Klenow fragment^[1]

Selected References:

[1] Walsh *et al.* (2017) Measurement of incorporation kinetics of non-fluorescent native nucleotides by DNA polymerases using fluorescence microscopy. *Nucleic Acids Res.* **45** (21):e175.