



## 7-Propargylamino-7-deaza-dATP-Cy5

7-Deaza-7-propargylamino-2'-deoxyadenosine-5'-triphosphate, labeled with Cy5, Triethylammonium salt

Cat. No.	Amount
NU-1611-CY5-S	25 µl (1 mM)
NU-1611-CY5-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:** C<sub>47</sub>H<sub>56</sub>N<sub>7</sub>O<sub>19</sub>P<sub>3</sub>S<sub>2</sub> (free acid)

**Molecular Weight:** 1182.05 g/mol (free acid)

**Exact Mass:** 1181.24 g/mol (free acid)

**Purity:** ≥ 95 % (HPLC)

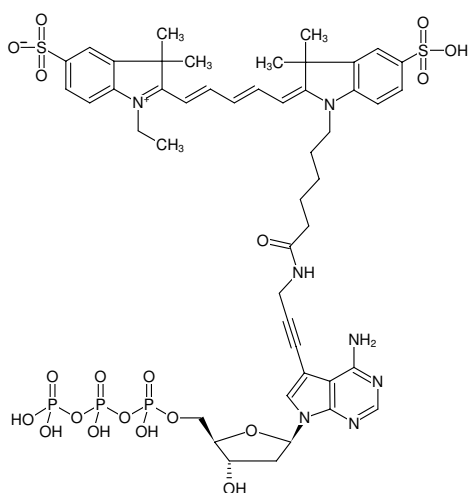
**Form:** filtered solution (30 kDa) in 10 mM Tris-HCl

**Color:** blue

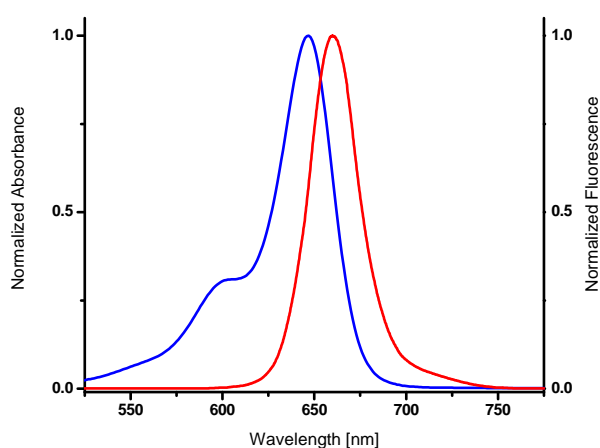
**Concentration:** 1.0 mM - 1.1 mM

**pH:** 7.5 ± 0.5

**Spectroscopic Properties:** λ<sub>exc</sub> 649 nm, λ<sub>em</sub> 670 nm, ε 250.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)



Structural formula of 7-Propargylamino-7-deaza-dATP-Cy5



excitation and emission spectrum of Cy5

### Applications:

Incorporation by primer extension<sup>[1]</sup>

Incorporation by PCR<sup>[2]</sup>

### Selected References:

[1] Braslavsky *et al.* (2003) Sequence information can be obtained from single DNA molecules. *Proc. Natl. Acad. Sci. USA.* **100** (7):3960.

[2] Tasara *et al.* (2003) Incorporation of reporter molecule-labeled nucleotides by DNA polymerases. II. High-density labeling of natural DNA. *Nucleic Acids Res.* **31** (10):2636.