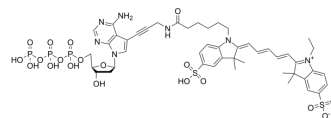


Cy5-dATP

Cat. No.: HY-D1720
Molecular Formula: C₄₇H₅₈N₇O₁₉P₃S₂
Molecular Weight: 1182.05
Target: DNA/RNA Synthesis
Pathway: Cell Cycle/DNA Damage
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 20.83 mg/mL (17.62 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		0.8460 mL	4.2299 mL	8.4599 mL
	5 mM		0.1692 mL	0.8460 mL	1.6920 mL
	10 mM		0.0846 mL	0.4230 mL	0.8460 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cy5-dATP is a Cy5 (HY-D0821)-labeled dATP (HY-136648). Cy5-dATP can be incorporated into a DNA primer^{[1][2]}.

REFERENCES

[1]. Yoshinari Ando, et al. ELTA: Enzymatic Labeling of Terminal ADP-Ribose. Mol Cell. 2019 Feb 21;73(4):845-856.e5.

[2]. Xiaojun Ren, et al. Analysis of human telomerase activity and function by two color single molecule coincidence fluorescence spectroscopy. J Am Chem Soc. 2006 Apr 19;128(15):4992-5000.

Caution: Product has not been fully validated for medical applications. For research use only.

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