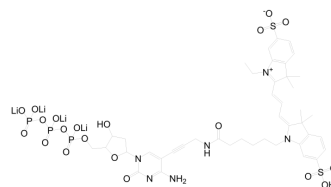


## Cy3-dCTP

Cat. No.:	HY-D1725
Molecular Formula:	$C_{43}H_{51}Li_4N_6O_{20}P_3S_2$
Molecular Weight:	1156.71
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Cy3-dCTP is a DNA probe directly labeled by fluorescently labeled nucleotide. Cy3-dCTP also is cyanine-dye-labeled nucleotide triphosphate. Cy3-dCTP can be used for the research of imaging<sup>[1]</sup>. Cy3-dCTP is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Y B Yurov, et al. High resolution multicolor fluorescence in situ hybridization using cyanine and fluorescein dyes: rapid chromosome identification by directly fluorescently labeled alphoid DNA probes. Hum Genet. 1996 Mar;97(3):390-8.

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

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