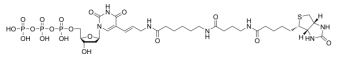
Biotin-16-dUTP

Cat. No.:	HY-D1022
CAS No.:	86303-26-6
Molecular Formula:	$C_{32}H_{52}N_7O_{18}P_3S$
Molecular Weight:	947.78
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Biotin-16-dUTP (Biotin-16-deoxyuridine-5'-triphosphate) can be used to replace its natural counterpart dTTP by enzymatically incorporating it into DNA/cDNA. Biotin-16- dUTP can be used to produce biotinylated DNA probes in a variety of assay applications[1][2].
In Vitro	Biotin-16-dUTP trisodium can be used for in situ detection of DNA fragments by nick end labelling (TUNEL assay) for the study of apoptosis[1]. Biotin-16-dUTP trisodium can be used for replication foci labelling in permeabilised HeLa cell nuclei and detected by fluorescent streptavidin[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. C Charriaut-Marlangue, et al. A cautionary note on the use of the TUNEL stain to determine apoptosis. Neuroreport. 1995 Dec 29;7(1):61-4.

[2]. T Krude, et al. Chromatin assembly factor 1 (CAF-1) colocalizes with replication foci in HeLa cell nuclei. Exp Cell Res. 1995 Oct;220(2):304-11.

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