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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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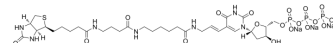
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Biotin-16-dUTP trisodium

Cat. No.:	HY-D1022A
Molecular Formula:	C ₃₂ H ₄₉ N ₇ Na ₃ O ₁₈ P ₃ S
Molecular Weight:	1013.72
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Solution, -20°C, protect from light, 2 years



BIOLOGICAL ACTIVITY

Description	Biotin-16- dUTP (Biotin-16-deoxyuridine-5'-triphosphate) trisodium can be used to replace its natural counterpart dTTP by enzymatically incorporating it into DNA/cDNA. Biotin-16- dUTP trisodium 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.

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

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