



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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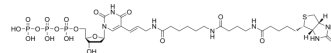
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## Biotin-16-dUTP

<b>Cat. No.:</b>	HY-D1022
<b>CAS No.:</b>	86303-26-6
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>52</sub> N <sub>7</sub> O <sub>18</sub> P <sub>3</sub> S
<b>Molecular Weight:</b>	947.78
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .
<b>In Vitro</b>	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 <sup>[1]</sup> . Biotin-16-dUTP trisodium can be used for replication foci labelling in permeabilised HeLa cell nuclei and detected by fluorescent streptavidin <sup>[2]</sup> . 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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