

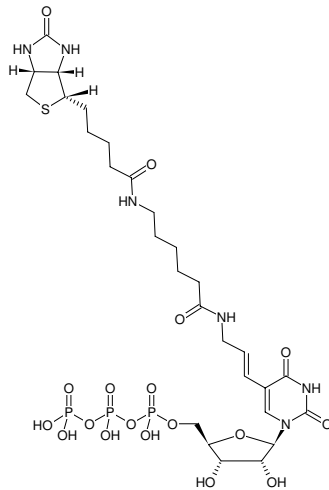


## Biotin-11-UTP - high concentration

Biotin-X-(5-aminoallyl)-UTP

Biotin-X-(5-aminoallyl)-uridine-5'-triphosphate, Triethylammonium salt

Cat. No.	Amount
NU-821-BIOX-HC	30 µl (75 mM)



Structural formula of Biotin-11-UTP - high concentration

### For general laboratory use.

**Shipping:** shipped on gel packs

**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 12 months after date of delivery

**Molecular Formula:** C<sub>28</sub>H<sub>45</sub>N<sub>6</sub>O<sub>18</sub>P<sub>3</sub>S (free acid)

**Molecular Weight:** 878.67 g/mol (free acid)

**Exact Mass:** 878.17 g/mol (free acid)

**Purity:** ≥ 95 % (HPLC)

**Form:** filtered solution (30 kDa) in 20 mM Tris-HCl

**Color:** colorless to slightly yellow

**Concentration:** 75 mM - 80 mM

**pH:** 7.5 ± 0.5

**Spectroscopic Properties:** λ<sub>max</sub> 289 nm, ε 7.1 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)

### Applications:

Microarray based hybridization detection<sup>[1, 2]</sup>

RNA-labeling<sup>[2]</sup>

Biotin-PAGE<sup>[3]</sup>

ISH<sup>[4]</sup>

### Selected References:

[1] Lonergan *et al.* (2007) Comparison of target labeling methods for use of Affymetrix GeneChips. *BMC Biotechnology* **7**:24.

[2] Glaid *et al.* (1989) Non-isotopic RNA probes. Comparison between different labels and detection systems. *Histochemistry* **93**:91.

[3] Theissen *et al.* (1989) Degree of biotinylation in nucleic acids estimated by a gel retardation assay. *Analyt. Biochem.* **179**:98.

[4] Baumann *et al.* (1988) Flow cytometric detection of ribosomal RNA in suspended cells by fluorescent in situ hybridization. *Cytometry* **9**:517.