



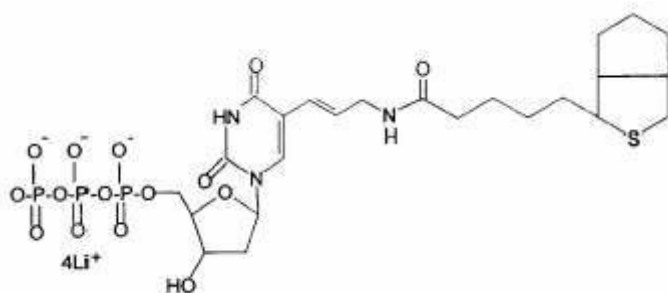
# Genaxxon BioScience

## Biotin-4-dUTP

Biotin-4-2'-deoxyuridine-5'-triphosphate, tetralithium salt

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Product	Cat#	Package size
Biotin-4-dUTP (50 µl)	M3440.0050	50 nmol
Biotin-4-dUTP ( 1ml)	M3440.1000	1 µmol



### Product description

Biotin-4-dUTP is a widely used compound for non-radioactive DNA labeling. Biotin-4-dUTP can be enzymatically incorporated into DNA via nick-translation, random priming, 3'-end terminal labeling or in the process of PCR. The number "4" is the number of carbon atoms in the backbone of linker between dUTP and biotin. The longer the linker, the more effective is the interaction of biotin with Avidin. On the other side, the shorter the linker, the more effective is the incorporation of dUTP into DNA while PCR reaction.

Alternatively Biotin-11-dUTP can be used (M3428).

### Storage buffer

10 mM Tris-HCl (pH 7.5), 0,1 mM EDTA.

### Purity

Higher than 96% (by ion-exchange chromatography, TLC, NMR and UV).

### Stability

Biotin-4-dUTP is stable for more than 12 months if stored at -20°C. Repeated "freeze-thaw" cycles should be avoided.

### Storage

Store after delivery at -20°C