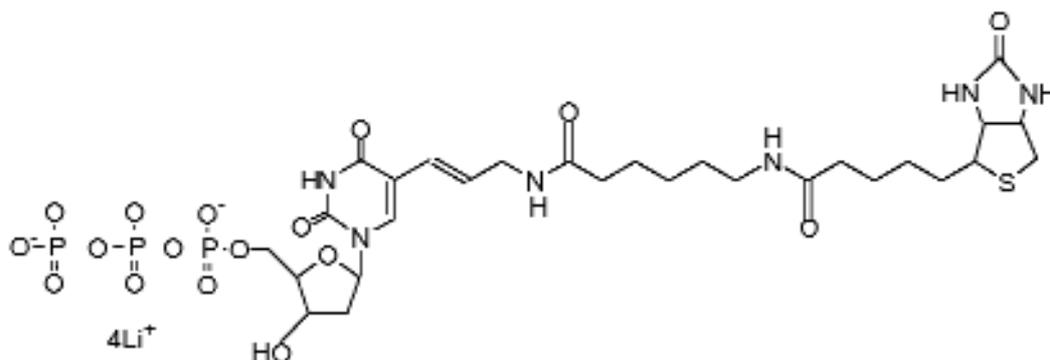


Description Biotin-11-dUTP (Biotin-11-2'-deoxyuridine-5'-triphosphate, tetralithium salt) is a widely used compound for non-radioactive DNA labeling. Biotin-11-dUTP can be enzymatically incorporated into DNA via nick-translation, random priming, 3'-end terminal labeling or in the process of PCR.

The number "11" labels of carbon atoms in the backbone of linker between dUTP and biotin. The longer the linker is, the more effective interaction of biotin with avidin (and conjugates like streptavidin) occurs. The length of linker "11" is optimal for the majority of applications.

Ref No.	509005	color
Bio-11-dUTP, 1 mM	100 µL	white
Datasheet	1	--

Applications: Bio-11-dUTP is used for on-radioactive DNA labeling with random priming, nick-translation, reverse transcription or standard PCR. It can be used with all common polymerases. Detection can be made with colorimetric and fluorimetric methods.



Concentration: 1 mM

Storage buffer 10 mM TrisHCl, pH 7.5, 1 mM EDTA

Quality control:

- HPLC analysis
- NMR analysis (inorganic phosphates)
- Exo-endonucleases contamination test
- UV-spectral analysis
- Spectrophotometry

Storage -20°C