

Biotin-11-dUTP

Biotin-11-deoxyuridine 5'-triphosphate tetralithium salt.

Product No. A5227

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" is the number 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 occurs. On the other side, the shorter the linker is, the more effective incorporation of dUTP into DNA can be provided. But it turned out that the length of linker "11" is optimal for the majority of applications.

Storage: -20°C

Concentration: 1 mM solution in 10 mM Tris · HCl, pH 7.5, 1 mM EDTA

Quantity: 100 µl

Assay: min. 96 % (ion-exchange chromatography, TLC, NMR, UV-spectroscopy)

