

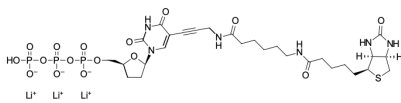
Biotin-11-ddUTP

<http://hk.lumiprobe.com/p/biotin-11-ddutp>

Biotin-11-ddUTP is a biotinylated dideoxyuridine triphosphate analog. Its dideoxy structure acts as an irreversible chain terminator during DNA synthesis, while the biotin moiety provides a stable tag for detection. The C11 spacer arm optimizes the molecule by facilitating polymerase recognition and ensuring unhindered interaction between the conjugated biotin and streptavidin.

Biotin-11-ddUTP can be incorporated by many DNA polymerases and terminal transferases into growing DNA strands, where it irreversibly terminates elongation while introducing a single biotin tag at the incorporation site.

This reagent is used for the enzymatic preparation of biotin-labeled oligonucleotide probes, end-labeling of DNA fragments, DNA sequencing, SNP detection, and probe labeling.



外观:

分子量: 862.47

分子式: C₂₈H₄₀Li₃N₆O₁₆P₃S

质量控制:

储存条件:

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