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Biotin-11-dUTP, 1 mM Solution



Biotin-11-dUTP can be enzymatically incorporated into DNA via nick translation, random priming, or 3'-end terminal labeling. The number '11' is the number of atoms in the linker between biotin and dUTP.

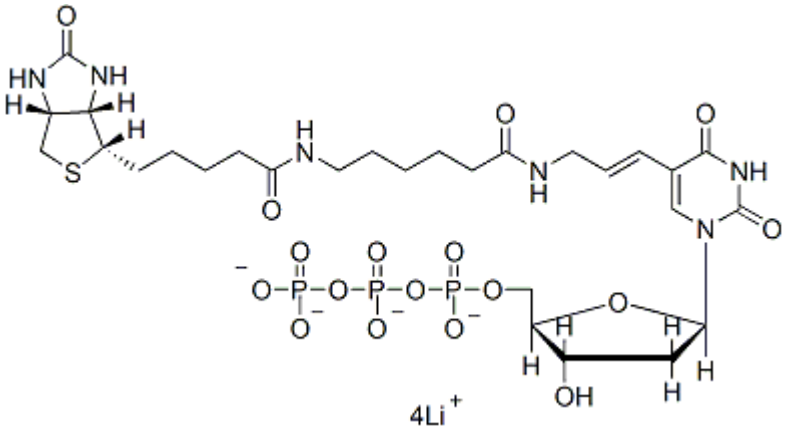
Product attributes

CAS number	86303-25-5

Product Description

Biotin-11-dUTP can be enzymatically incorporated into DNA via nick translation, random priming, or 3′-end terminal labeling. The number '11' is the number of atoms in the linker between biotin and dUTP. Biotium also offers biotin-16-dUTP (40022) and biotin-20-dUTP (40030). The length of the linker affects the incorporation efficiency of the biotin-dUTP probe into DNA using DNA polymerases, and it also affects biotin/avidin or biotin/streptavidin. In general, the shorter the linker, the more efficiently the biotin-dUTP is incorporated into DNA by DNA polymerases. On the other hand, the longer the linker, the better biotin can interact with avidin or streptavidin. Biotin-11-dUTP is also available as a lyophilized solid (40029-1).

- 1 mM solution in pH 7.5 Tris-HCl buffer
- Store at -20°C
- $C_{28}H_{41}N_6O_{17}P_3S\ Li_4$
- MW: 886.5
- [86303-25-5]



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