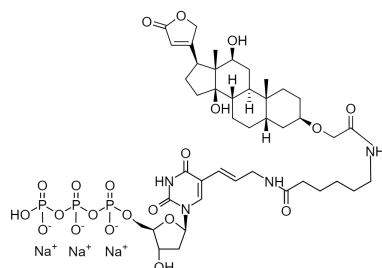


Digoxigenin-11-dUTP *1 mM solution in water*Catalog number: 17012
Unit size: 25 nmoles**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	6 months upon receiving

Chemical Properties

Appearance	Colorless liquid
Molecular Weight	1132.87
Soluble In	Water
Chemical Structure	

**Applications**

Digoxigenin-11-dUTP can be enzymatically incorporated into DNA/cDNA as substitute for its natural counterpart dTTP. The resulting digoxigenin-labeled DNA/cDNA probes are subsequently detected using digoxigenin-antibodies conjugated with horseradish peroxidase (HRP), alkaline phosphatase (AP) or a fluorescent dye. The 11-atom linker is attached to the C5 position of uridine to minimize the interference of DIG on the substrate incorporation by PCR polymerase. Typically 1:2 Digoxigenin-11-dUTP/dTTP ratio for PCR and Nick Translation.