

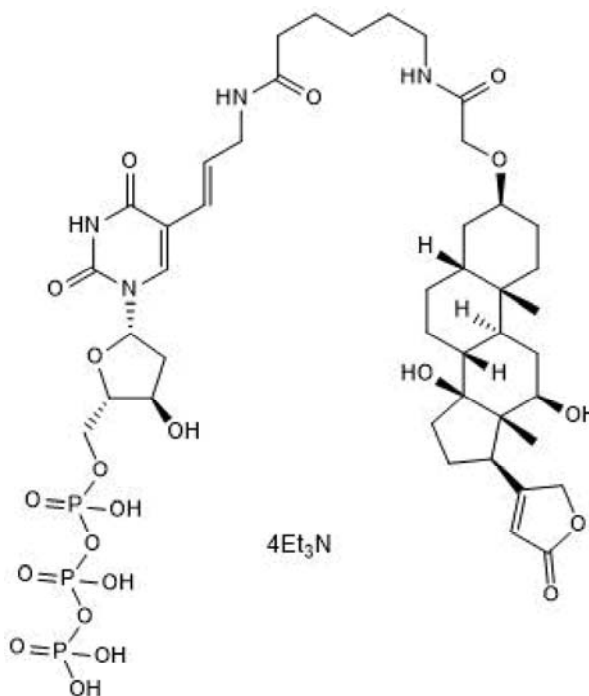
Product Name: Digoxigenin-11-dUTP

Catalog No.: 7090

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₃H₆₅N₄O₂₁P₃.4C₆H₁₅N
Batch Molecular Weight: 1471.69
Physical Appearance: Clear liquid
Solubility: Soluble in 10mM Tris-HCl buffer (supplied pre-dissolved - 1mM)
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: Digoxigenin-11-dUTP

Catalog No.: 7090

Batch No.: 1

Description:

Hapten modified dUTP for non-radioactive labeling of DNA probes for use in in situ hybridization (ISH). Acts as a substrate for DNA polymerases and is widely used to generate digoxigenin-labeled DNA probes.

Physical and Chemical Properties:

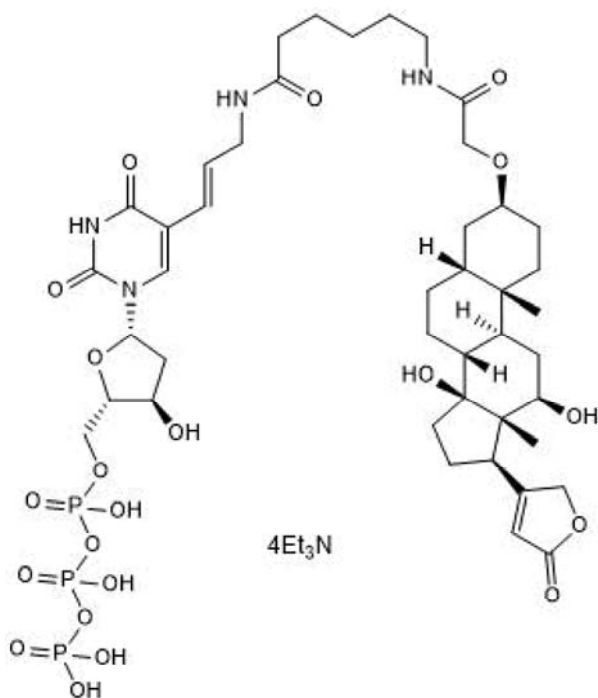
Batch Molecular Formula: C₄₃H₆₅N₄O₂₁P₃.4C₆H₁₅N

Batch Molecular Weight: 1471.69

Physical Appearance: Clear liquid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

Soluble in 10mM Tris-HCl buffer (supplied pre-dissolved - 1mM)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Anderson *et al* (2005) Incorporation of reporter-labeled nucleotides by DNA polymerases. *Biotechniques* **38** 257. PMID: 15727132.

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