

Product Name: Biotin-11-dUTP

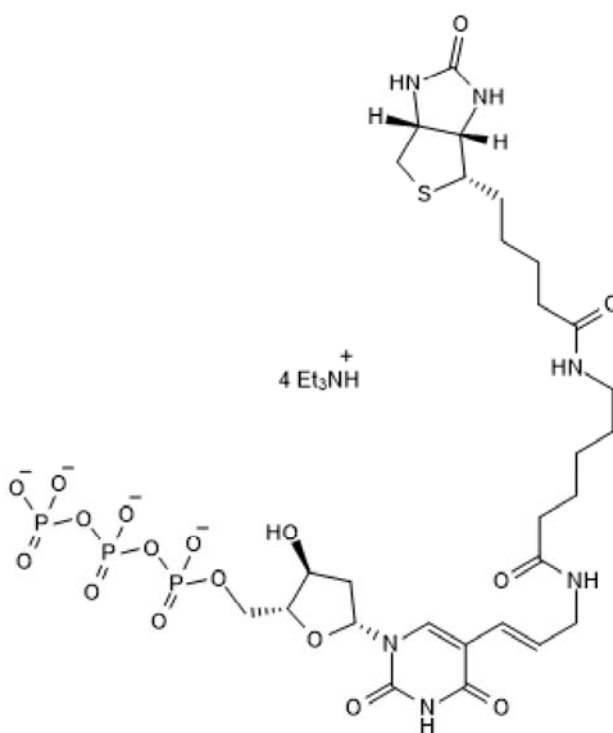
Catalog No.: 6571

Batch No.: 2

IUPAC Name: 2'-Deoxy-5-[(1*E*)-3-[[6-[[5-[(3*aS*,4*S*,6*aR*)-hexahydro-2-oxo-1*H*-thieno[3,4-*d*]imidazol-4-yl]-1-oxopentyl]amino]-1-oxohexyl]amino]-1-propen-1-yl]uridine 5'-(tetra(triethylammonium) triphosphate)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₈ H ₄₅ N ₆ O ₁₇ P ₃ S.4(C ₂ H ₅) ₃ N
Batch Molecular Weight:	1267.43
Physical Appearance:	Colourless liquid
Solubility:	10mM Tris-HCl buffer (supplied pre-dissolved - 1mM) to 1 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 100% purity
Mass Spectrum:	Consistent with structure

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

Product Name: Biotin-11-dUTP

Catalog No.: 6571

Batch No.: 2

IUPAC Name: 2'-Deoxy-5-[(1E)-3-[[6-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]-1-oxohexyl]amino]-1-propen-1-yl]uridine 5'-(tetra(triethylammonium) triphosphate)

Description:

Biotin-labeled dUTP. Commonly used in PCR, nick translation, and reverse transcription. Also frequently used in apoptosis assays. Biotin-labeled DNA may be detected with streptavidin-HRP conjugates.

Physical and Chemical Properties:

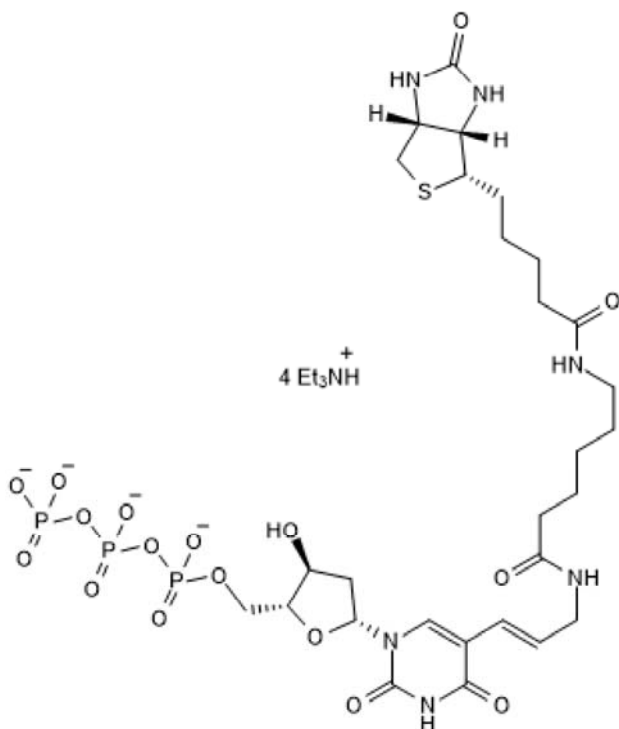
Batch Molecular Formula: C₂₈H₄₅N₆O₁₇P₃S.4(C₂H₅)₃N

Batch Molecular Weight: 1267.43

Physical Appearance: Colourless liquid

Minimum Purity: >95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

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

This product is supplied dissolved in 10 mM Tris-HCl buffer at a concentration of 1 mM.

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:

Jun-Hyuk Choi et al (2015) An integrated approach for analysis of the DNA damage response in mammalian cells *J.Biol.Chem.* **290** 2881. PMID: 26438822.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956