Product Data Sheet

Product Name: Biotin-16-Aminoallyl-2'-dUTP
Cat. No.: GN20130

Chemical Properties

Purity	>90.00%	Extinction Coefficient	7,100 $Lmol^{-1}cm^{-1}$ at 290 nm
Formula	$C_{32}H_{52}N_7O_{18}P_3S$ (free acid)	M.Wt	947.80 g/mole (free acid)
Salt Form	Li+	Concentration	
Buffer	H_2O	Storage	-20°C or below
Synonyms	Biotin-16-dUTP, Biotin-16-AA-dUTP	Backbone	5'-Triphosphate
Base Analog	Thymidine, Uridine	Sugar Type	DNA
Nucleotide Category	Biotin Labeled		
Applications	Aptamers, Epigenetics/DNA Damage, In vitro Transcription, Mutagenesis, Photocrosslinking Studies		

Background

Biotin-16-Aminoallyl-2'-deoxyuridine can be enzymatically incorporated into DNA via PCR, nick translation, primer extension using Klenow(exo-) DNA polymerase, and terminal deoxynucleotidyl transferase (TdT). Biotinylated cDNA can be prepared with this NTP using Moloney Murine Leukemia Virus (M-MLV) reverse transcriptase.

Caution: Product has not been fully validated for medical applications. For research use only.
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