Product Data Sheet

Product Name: 5-Propargylamino-2'-deoxyuridine-5'-Triphosphate
Cat. No.: GN20099

Chemical Properties

Purity	>90.00%	Extinction Coefficient	10,600 $Lmol^{-1}cm^{-1}$ at 289 nm
Formula	$C_{12}H_{18}N_3O_{14}P_3$ (free acid)	M.Wt	521.20 g/mole (free acid)
Salt Form	Li+	Concentration	
Buffer	H_2O	Storage	-20°C or below
Synonyms	5-Propargylamino-dUTP,5-Propargyl-dUTP	Backbone	5'-Triphosphate
Base Analog	Thymidine, Uridine	Sugar Type	DNA
Nucleotide Category	Base Modified DNA		
Applications	Aptamers, Epigenetics/DNA Damage, In vitro Transcription, Mutagenesis, Photocrosslinking Studies		

Background

5-Propargylamino-2'-deoxyuridine can be enzymatically incorporated into DNA and cDNA to introduce primary amine groups. Primary amines can be labeled with NHS ester fluors and haptens for detection and immobilization of the resulting DNA strand.

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