

Product Data Sheet

Product Name: Cyanine 3-5-Propargylamino-2'-deoxycytidine-5'-Triphosphate

Cat. No.: GN20138

Chemical Properties

Purity	>95.00%	Extinction Coefficient	150,000 Lmol ⁻¹ cm ⁻¹ at 550 nm
Formula	C ₄₃ H ₅₄ N ₆ O ₂₀ P ₃ S ₂ (free acid)	M.Wt	1131.90 g/mole (free acid)
Salt Form	Li+	Concentration	
Buffer	H ₂ O	Storage	-20°C or below
Synonyms	Cyanine 3-dCTP	Backbone	5'-Triphosphate
Base Analog	Cytidine	Sugar Type	DNA
Nucleotide Category	Dye Labeled		
Applications	Aptamers, Epigenetics/DNA Damage, In vitro Transcription, Mutagenesis, Photocrosslinking Studies		

Background

Cyanine 3-5-Propargylamino-2'-deoxycytidine can be incorporated into DNA for a number of fluorescent detection applications such as microarrays, FISH, and genome mapping, among others.

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

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