Product Data Sheet

Product Name: 5-Carboxy-2'-deoxycytidine-5'-Triphosphate
Cat. No.: GN20100

Chemical Properties

Purity	>90.00%	Extinction Coefficient	7,580 $Lmol^{-1}cm^{-1}$ at 279 nm
Formula	$C_{10}H_{16}N_3O_{15}P_3$ (free acid)	M.Wt	511.20 g/mole (free acid)
Salt Form	Li+	Concentration	
Buffer	H_2O	Storage	-20°C or below
Synonyms	5-Carboxy-dCTP, 5-cadCTP	Backbone	5'-Triphosphate
Base Analog	Cytidine	Sugar Type	DNA
Nucleotide Category	Base Modified DNA		
Applications	Aptamers, Epigenetics/DNA Damage, In vitro Transcription, Mutagenesis, Photocrosslinking Studies		

Background

5-Carboxy-dCTP is a dCTP analog recently found to play a role in epigenetic regulation. In addition, the carboxylic acid may be used as a crosslinker to react with amine-containing compounds and surfaces in the presence of an activating agent such as EDC (1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride).

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA