

Product Data Sheet



Sulfo-Cyanine5 ddUTP Catalog ID: 210020

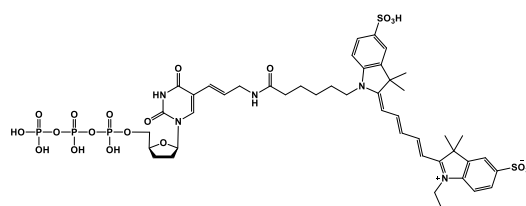
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Description

Sulfo-Cyanine 5-labeled dideoxyuridine triphosphate is biologically active and can be incorporated by various DNA polymerases, including Taq, Klenow fragment, and Sequenase™. It terminates further nucleotide incorporation, allowing for the identification of the complementary base. This makes it highly useful for applications such as DNA sequencing and the detection of point mutations.

Chemical Properties

CAS number	NA
Formula	$C_{45}H_{58}N_5O_{20}P_3S_2$
Molecular Weight	1146.02
Concentration	0.1 mM
Solvent	10 mM Tris-HCl, pH 7.6, 1.0 mM EDTA
HPLC Purity	≥95%
λ_{abs} (nm)	650
λ_{fl} (nm)	668
ϵ_{max} (M ⁻¹ cm ⁻¹)	2.5×10^5



Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, Sulfo-Cyanine5 ddUTP is stable for at least 1 year.

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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