

Product Data Sheet



Sulfo-Cyanine5 dUTP

Catalog ID: 210005

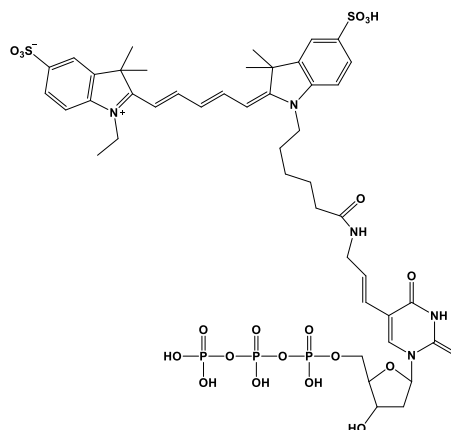
Revised: 2025-01-31

Description

Dye-modified deoxyuridine 5'-triphosphates, such as aminoallyl-dUTP, can be enzymatically incorporated into DNA using standard methods like reverse transcription, nick translation, random primed labeling, or PCR. This enzymatic fluorescence labeling technique is widely employed for both FISH probes and microarray-based experiments. The Sulfo-Cyanine5 dUTP conjugate emits red fluorescence and is compatible with the SpectrumFRed™ filter set (SpectrumFRed™ is a trademark of Vysis). It is functionally equivalent to Cyanine 5-dUTP (Perkin Elmer's NEL579001EA).

Chemical Properties

CAS number	NA
Formula	C ₄₅ H ₅₈ N ₅ O ₂₁ P ₃ S ₂
Molecular Weight	1162.01
Concentration	1.0 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 dUTP is stable for at least 1 year.

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

Shenzhen U-genes Biotechnology Co., Ltd.

Suite 201, Building 3, No.2 Baolong 4th Road, Shenzhen, China, 518116

Email: contact@u-genes.com Tel.: +86 755 84644912

www.u-genes.com