

**iFluor™647-PEG12-dUTP \*1 mM in Tris Buffer (pH 7.5)\***Catalog number: 17043  
Unit size: 25 nmoles**Product Details**

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Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	6 months upon receiving

**Chemical Properties**

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Appearance	Liquid
Molecular Weight	2293.72
Soluble In	Water

**Spectral Properties**

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Excitation Wavelength	656 nm
Emission Wavelength	670 nm

**Applications**

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The dye-modified deoxyuridine 5'-triphosphates are one of the most common methods to produce dye-labelled DNA via the conventional enzymatic incorporation methods such as reverse transcription, nick translation, random primed labeling, or PCR. This enzymatic fluorescence labeling method is widely used for both FISH probes and microarray-based experiments. This iFluor™647-PEG12-dUTP conjugate has the same spectral properties to ChromaTide™Alexa Fluor 647-dUTP. Its PEG12 spacer makes it much more effectively incorporated into DNAs by polymerase. It is used as a far red fluorescence color with SpectrumFRed™ filter set. It provides a bright signal that has high photostability and is not affected by pH. ChromaTide™ and Alexa Fluor™ are the trademarks of ThermoFisher, and SpectrumFRed™ is the trademark of Vysis.