

Product Information

CF™ 647-dCTP

Catalog Number: 40028

Unit Size: 25 nmol

Molecular Weight: 1579

Color and Form: Blue solid

Spectral Properties

$\lambda_{\text{abs}}/\lambda_{\text{em}} = 650/665$ nm (see Figure 1)

CF™ 647 is spectrally similar to Alexa Fluor® 647, Cy®5, and DyLight® 649.

Storage and Handling

Store desiccated at $\leq -20^{\circ}\text{C}$. When stored as directed, product should be stable for at least 6 months from the date of receipt. For aqueous solutions, prepare single use aliquots and store protected from light at -20°C for up to 6 months. Avoid freeze-thaw cycles. We recommend preparing a 1 mM stock solution in 10 mM Tris pH 7.4.

Product Application

Fluorophore conjugates of dCTP can be used in standard DNA labeling and synthesis protocols to generate fluorescent dsDNA and oligonucleotide probes.

Related Products

Cat. #	Product description
40027	CF™ 555-dCTP, 25 nmol
40008	CF™ 488A-dUTP, 25 nmol
40002	CF™ 543-dUTP, 25 nmol
40005	CF™ 568-dUTP, 25 nmol
40006	CF™ 594-dUTP, 25 nmol
40007	CF™ 640R-dUTP, 25 nmol
40003	CF™ 680R-dUTP, 25 nmol

Please visit our website at www.biotium.com to view our full selection of CF™ dye bioconjugates, including antibodies, antibody labeling kits, phalloidin, annexin V and α -bungarotoxin, as well as reagents and kits for genomics and cell biology research.

CF™ dye technology is covered by pending US and international patents. Alexa Fluor is a registered trademark of Invitrogen; Cy is a registered trademark of GE Healthcare; DyLight is a registered trademark of Pierce Biotechnology.

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Figure 1. Absorption/Emission Spectra of CF™ 647 Conjugates

