

# Product Data Sheet



**Biotin-11-dCTP**  
Catalog ID: 210032

Revised: 2025-01-31

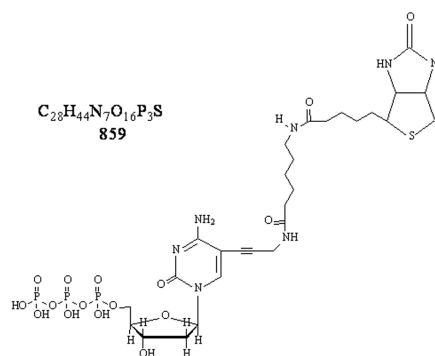
## Description

Biotin-labeled deoxycytidine triphosphate (dCTP) is a versatile tool for labeling DNA through methods such as nick translation, random priming, polymerase chain reaction (PCR), and 3'-end labeling. Biotin-labeled products can be easily detected using streptavidin conjugates.

The number "11" in the compound name denotes the length of the linker arm that connects the dCTP molecule to the biotin label.

## Chemical Properties

CAS number	NA
Formula	C <sub>28</sub> H <sub>44</sub> N <sub>7</sub> O <sub>16</sub> P <sub>3</sub> S
Molecular Weight	859
Concentration	1.0 mM
Solvent	10 mM Tris-HCl, pH 7.6, 1.0 mM EDTA
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	294
λ <sub>fl</sub> (nm)	NA
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	0.93×10 <sup>4</sup>



## Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, Biotin-11-dCTP 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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