

Product Data Sheet



Biotin-11-CTP Catalog ID: 210027

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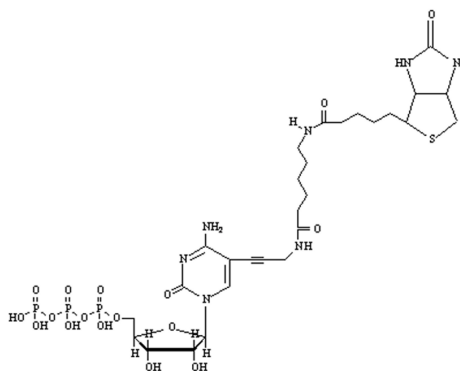
Description

This biotinylated analog of cytidine triphosphate (CTP) is utilized for labeling RNA probes through in vitro transcription with various RNA polymerases. Biotin-labeled RNA probes are widely employed in molecular biology applications, such as in situ hybridization and gene expression microarrays. Detection of biotin-labeled products can be achieved using streptavidin conjugates.

The number "11" in the compound name indicates the length of the linker arm connecting the CTP molecule to the biotin label.

Chemical Properties

CAS number	NA
Formula	C ₂₈ H ₄₄ N ₇ O ₁₇ P ₃ S
Molecular Weight	875
Concentration	1.0 mM
Solvent	10 mM Tris-HCl, pH 7.6, 1.0 mM EDTA
HPLC Purity	≥95%
λ _{abs} (nm)	294
λ _{fl} (nm)	NA
ε _{max} (M ⁻¹ cm ⁻¹)	0.93×10 ⁴



Storage

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