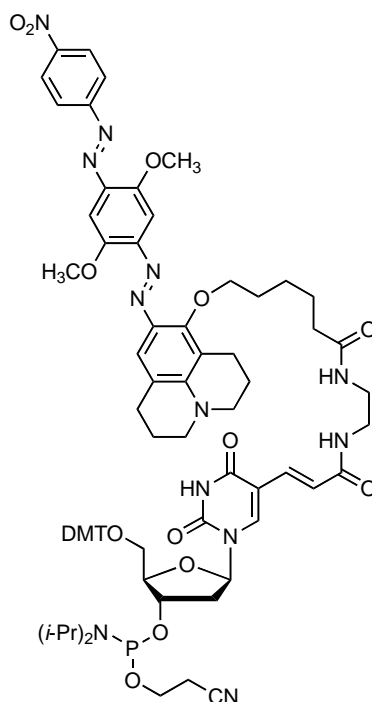


BlackBerry[®] Quencher 650-dT CEP (BBQ-650[®]-dT CEP)
Product No. BL 1010
Product Information



Standard synthesis protocols may be employed except that BBQ-650[®]-dT CEP should be dissolved in 4:1 dichloromethane-acetonitrile and coupled for 15 min. We recommend mild nucleobase deprotection ammonium hydroxide or AMA at 65 °C for 10 minutes to avoid degradation of the quencher.

The lipophilicity of the BBQ-650[®] moiety may require the use of relatively high concentrations of the organic mobile phase in RP-HPLC purifications, especially with shorter oligonucleotides.

For quantification, the following extinction coefficients may be useful, which were determined using a simple BBQ-650[®] chromophore (i.e., no oligonucleotide): At 598 nm in methanol, $\epsilon = 40,667 \text{ M}^{-1}\text{cm}^{-1}$; at 260 nm in methanol, $\epsilon = 15,077 \text{ M}^{-1}\text{cm}^{-1}$.