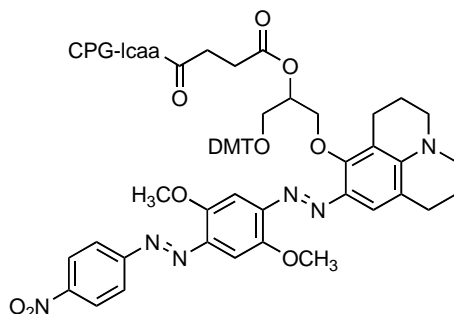


BlackBerry[®] Quencher 650 CPG (3'-BBQ-650[®] CEP)
Product No. BL 2010
Product Information



Standard phosphoramidites and synthesis protocols may be employed with 3'-BBQ-650[®] CPG. Nucleobase deprotection may be performed using standard protocols with ammonium hydroxide or AMA without degradation of the quencher, e.g., 12 h, 55 °C.

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, $\epsilon = 15,077 \text{ M}^{-1}\text{cm}^{-1}$.