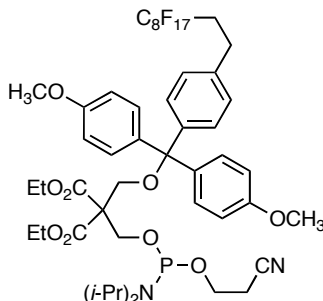


F-CPR-II CEP (FL 1360) Product Information



For the chemical phosphorylation of oligonucleotides with concomitant fluororous affinity purification.

Fluorous Chemical Phosphorylation Reagent II (F-CPR-II CEP) allows a combination of fluororous affinity purification¹ with concomitant 5'-phosphorylation, which is especially attractive when synthesizing longmers that will be used in ligase reactions. Further, if a 5'-phosphate is tolerated in a particular application, F-CPR-II may be used as a common handle for fluororous purification, obviating the need to choose a different fluororous phosphoramidite for each different 5'-terminal nucleotide.

Use: F-CPR-II CEP is used in the same way as CPR-II, i.e., a 6 minute coupling with no capping.^{2,3} After cleavage from the support, the fluororous-tagged oligonucleotide is purified using a Fluoro-Pak™ Column (FP 7210 or FP 7220) and Loading Buffer (LB 7100). See "User Guide: Fluorous Purification of Oligonucleotides", which is included in with your purchase. After fluororous affinity purification and detritylation, the final retro-aldol cleavage to afford the free 5'-phosphorylated oligonucleotide is achieved in the same fashion as found for CPR-II.^{2,3}

Reference:

1. Pearson, W. H.; Berry, D. A.; Stoy, P.; Jung, K.-Y.; Sercel, A. D. *J. Org. Chem.* **2005**, *70*, 7114-7122.
2. Guzaev, A., *et al.*, *Tetrahedron* **1995**, *51*, 9375-9384.
3. <http://www.glenresearch.com/ProductFiles/10-1901.html>

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