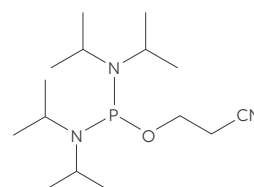


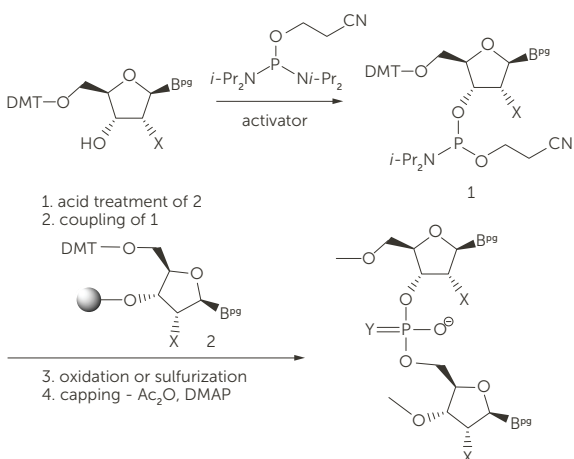
2-Cyanoethyl-*N,N,N',N'*-tetraisopropylphosphorodiamidite, 99%

Product number: 269 | Alternative name: Phos Reagent | CAS number: 102691-36-1 | $C_{15}H_{32}N_3OP$ | Molecular weight: 301.42

2-Cyanoethyl-*N,N,N',N'*-tetraisopropylphosphorodiamidite is an air- and moisture-sensitive liquid (b.p. 100°C (212°F)/0.5 mm) that must be handled under inert atmosphere at all times and stored under refrigeration to avoid degradation.¹ Ultra-high purity material is used as a phosphitylation reagent for the biotechnology and pharmaceutical industries, especially in the preparation of oligonucleotides.



SYNTHESIS OF DEOXYRIBONUCLEOSIDE PHOSPHOR-AMIDITES AND OLIGODEOXYRIBONUCLEOTIDES^{2,3}



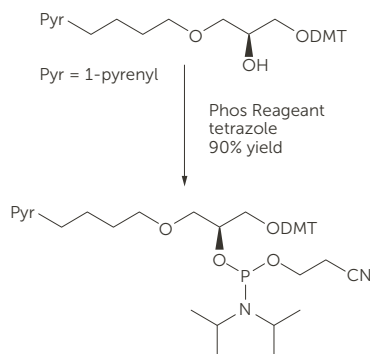
$B = T, A^{Bz}, C^{Bz}, G^{bu}$

$X = H, OMe, C(CH_2)_2OMe$

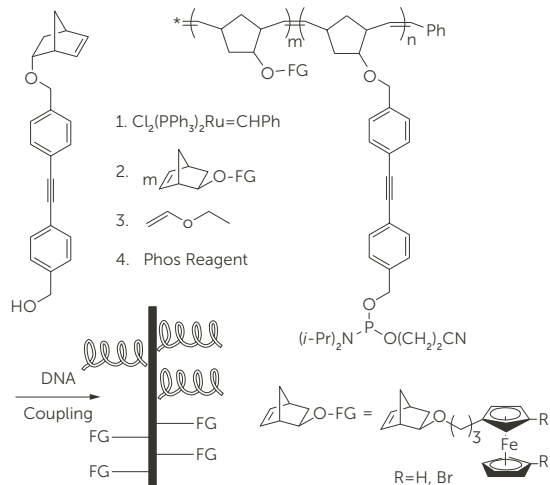
$Y = O, S$

Solid support = CPG, Primer 200, OligoPrep™

SYNTHESIS OF FLUORESCENT-LABELED PHOSPHORAMIDITES⁴



PREPARATION OF POLYMER-DNA HYBRIDS AS ELECTROCHEMICAL PROBES⁵



References

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