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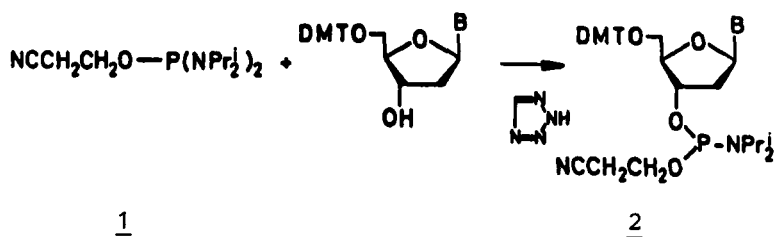
# **Polymer Supported Synthesis of Deoxyoligonucleotides using In Situ Prepared Deoxynucleoside 2-Cyanoethyl Phosphoramidites**

Jacques H. van Boom<sup>a</sup>, Bjarne Dahl<sup>b</sup>, Otto Dahl<sup>b\*</sup>, John E. Marugg<sup>a</sup>,  
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2-Cyanoethyl bis(diisopropylamino)phosphorodiamidite (1) is a  
stable and easily obtainable compound<sup>1</sup> which, when activated with  
0.5 eq. tetrazole, gives solutions of deoxyribonucleoside 2-cyano-  
ethyl phosphoramidites (2) useful for the synthesis of deoxyoligo-  
nucleotides.<sup>2</sup> Our results applying these in-situ prepared phos-  
phoramidites for polymer-supported syntheses of a variety of  
deoxyoligonucleotides (DNA fragments) will be presented.



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