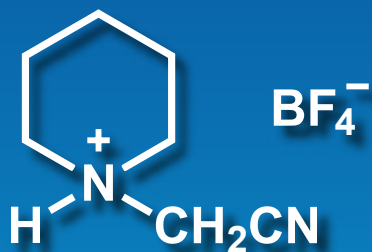


Useful Condensation Activator Bearing Less Nucleophilicity and No Deliquescence



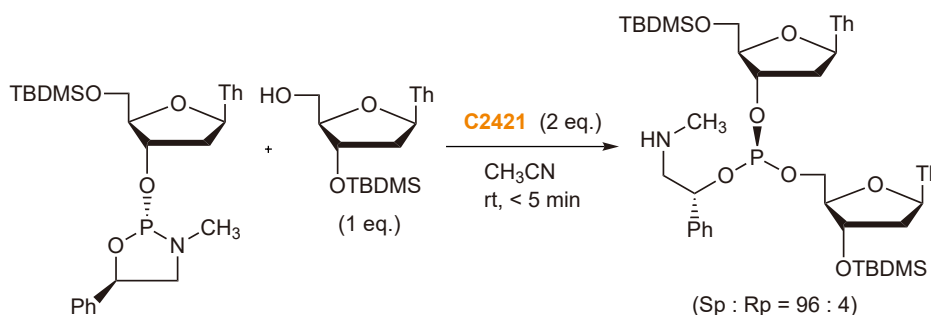
1-(Cyanomethyl)piperidinium
Tetrafluoroborate

5g
[C2421]

Advantages

- Applicable for the synthesis of stereo-controlled phosphate-modified oligonucleotides
- High solubility in CH₃CN
- Crystalline solid without deliquescence

Application



C2421 is an effective condensation activator conjugated with a highly less nucleophilic counteranion, BF₄⁻, developed by Wada *et al.* **C2421** has appropriate proton-donating ability as a condensation activator to give the corresponding dinucleotide without any loss of the diastereopurity.

- References**
- 1) N. Oka, T. Wada, K. Saigo, *J. Am. Chem. Soc.* **2002**, 124, 4962. <https://doi.org/10.1021/ja017275e>
 - 2) N. Oka, T. Wada, K. Saigo, *J. Am. Chem. Soc.* **2003**, 125, 8307. <https://doi.org/10.1021/ja034502z>
 - 3) S. Fujiwara, N. Iwamoto, K. Saigo, T. Sato, T. Wada, *PCT Int. Appl. WO 2005092909*.

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