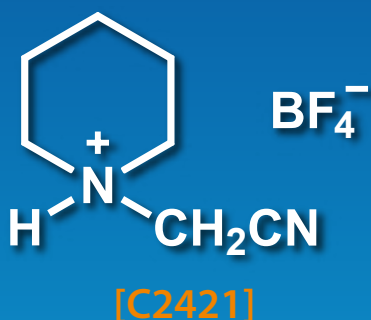


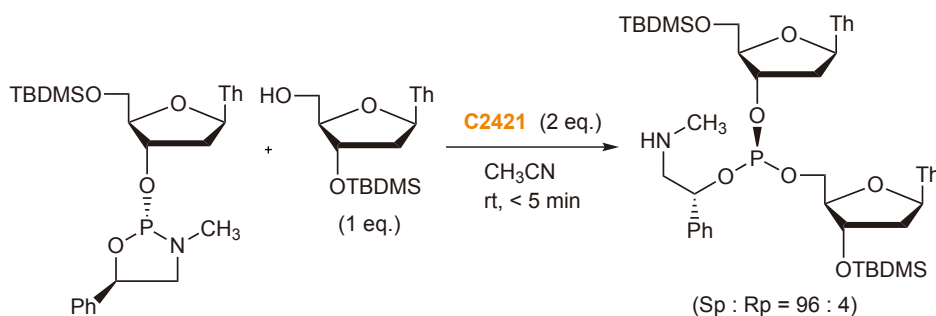
# Useful Condensation Activator Bearing Less Nucleophilicity and No Deliquescence



## Advantages

- Applicable for the synthesis of stereo-controlled phosphate-modified oligonucleotides
- High solubility in CH<sub>3</sub>CN
- Crystalline solid without deliquescence

## Application



**C2421** is an effective condensation activator conjugated with a highly less nucleophilic counteranion, BF<sub>4</sub><sup>-</sup>, 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.
  - 2) N. Oka, T. Wada, K. Saigo, *J. Am. Chem. Soc.* **2003**, 125, 8307.
  - 3) S. Fujiwara, N. Iwamoto, K. Saigo, T. Sato, T. Wada, PCT Int. Appl. WO 2005092909.

**1-(Cyanomethyl)piperidinium Tetrafluoroborate**

5g **[C2421]**

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condensation reagents



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