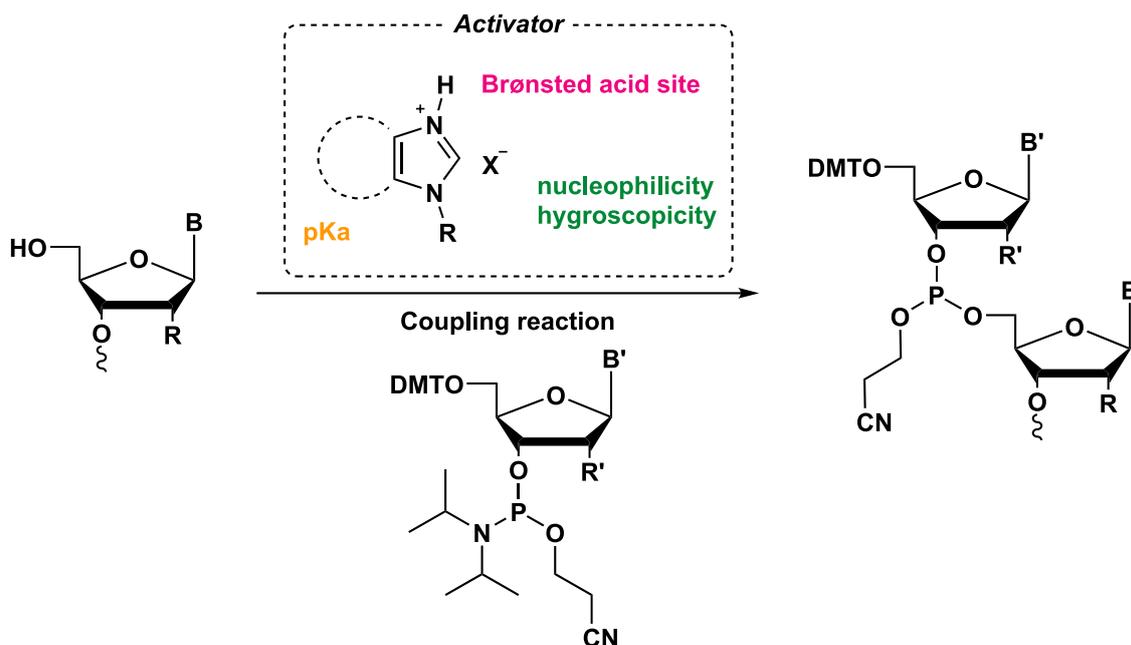
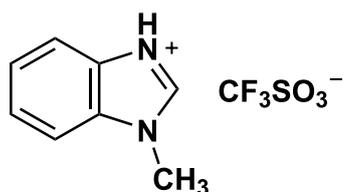


寡核苷酸合成用偶联激活剂

使用偶联激活剂的亚磷酰胺化学因其高偶联效率和快速周转时间而在寡核苷酸合成中占据主导地位。TCI提供一系列不同的改性激活剂，包括具有不同酸度的咪唑鎓盐，可以在亚磷酰胺活化和减少不需要的脱三苯甲基化（de-DMT基团）之间取得良好的平衡。



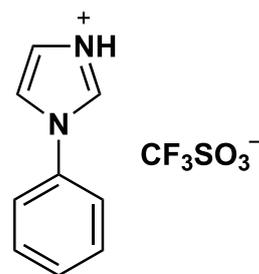
咪唑鎓盐型偶联激活剂



**1-Methyl-1H-benzimidazol-3-ium
Trifluoromethanesulfonate
(= N-MeBIT)**

5g / 25g

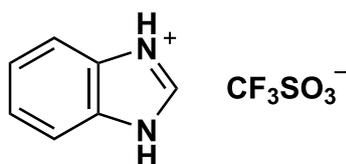
New [M3384]



**1-Phenyl-1H-imidazol-3-ium
Trifluoromethanesulfonate
(= N-PhIMT)**

5g / 25g

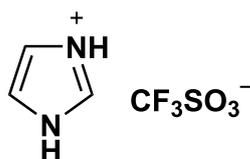
New [P2822]



**1H-Benzimidazol-3-ium
Trifluoromethanesulfonate
(= BIT)**

1g / 10g

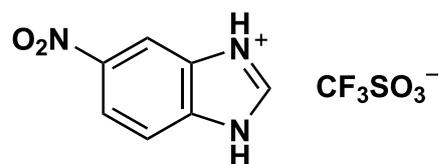
New [B6330]



**1H-Imidazol-3-ium
Trifluoromethanesulfonate
(= IMT)**

1g / 10g

New [I1157]



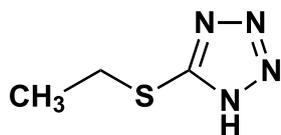
**5-Nitro-1H-benzimidazol-3-ium
Trifluoromethanesulfonate
(= NBT)**

1g / 10g

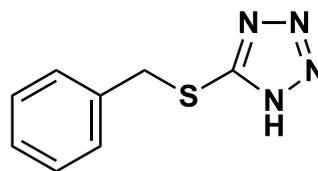
New [N1214]

寡核苷酸合成用偶联激活剂

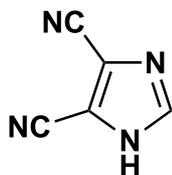
四唑/咪唑型偶联激活剂



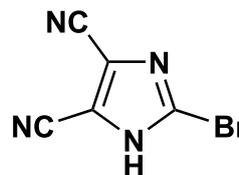
5-(Ethylthio)-1H-tetrazole
(= ETT)
1g / 5g
[E0670]



5-(Benzylthio)-1H-tetrazole
(= BTT)
25g
[B3020]

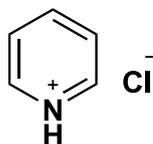


4,5-Dicyanoimidazole
(= DCI)
25g / 250g
[D2026]

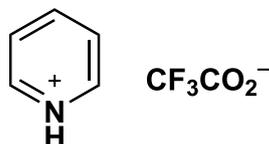


2-Bromo-4,5-dicyanoimidazole
(= Br-DCI)
1g / 5g
New [B6329]

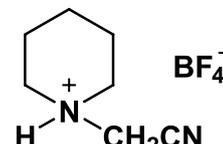
吡啶/哌啶盐型偶联激活剂



Pyridinium Chloride
(= Py-HCl)
25g / 100g / 500g
[P1637]



Pyridinium Trifluoroacetate
(= Py-TFA)
5g / 25g
New [P2920]



**1-(Cyanomethyl)piperidinium
Tetrafluoroborate**
5g
[C2421]

参考文献

- Acid/Azole Complexes as Highly Effective Promoters in the Synthesis of DNA and RNA Oligomers via the Phosphoramidite Method
Y. Hayakawa, R. Kawai, A. Hirata, J. Sugimoto, M. Kataoka, A. Sakakura, M. Hirose, R. Noyori, *J. Am. Chem. Soc.* **2001**, 123, 8165.
<https://doi.org/10.1021/ja010078v>
- Coupling activators for the oligonucleotide synthesis via phosphoramidite approach
X. Wei, *Tetrahedron* **2013**, 69, 3615. <https://doi.org/10.1016/j.tet.2013.03.001>
- Recent application of acidic 1,3-azolium salts as promoters in the solution-phase synthesis of nucleosides and nucleotides
M. Tsukamoto, K. Oyama, *Tetrahedron Lett.* **2018**, 59, 2477. <https://doi.org/10.1016/j.tetlet.2018.03.074>

我们还提供目录中所列化合物的大包装供应和多种衍生物的定制合成。欢迎随时与我们联系。

更多信息，请查看我们的主页：www.TCIchemicals.com

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www.TCIchemicals.com

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