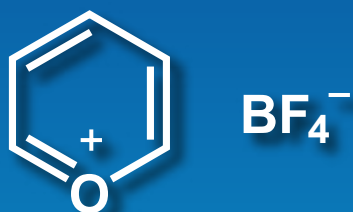


Pyrylium Salt for Nucleophilic Aromatic Substitution Reactions of Amino Heteroaromatics



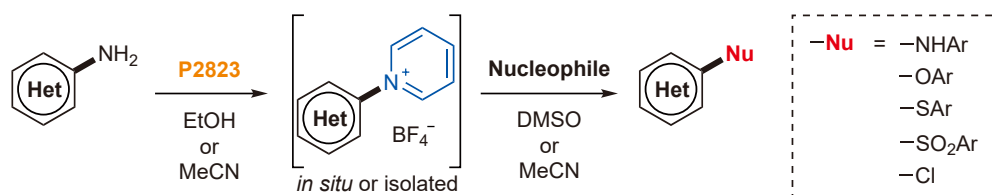
Pyrylium Tetrafluoroborate
1g
[P2823]

Advantages

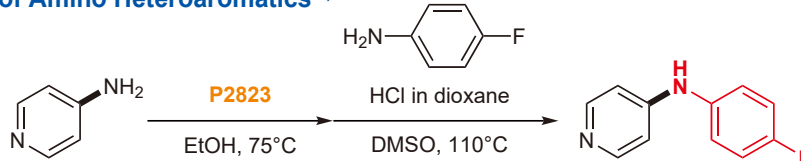
- Activates the amino group of amino heteroaromatics, converting to the leaving group.
- The resulting pyridinium salts can be applied to aromatic nucleophilic substitution reactions under mild conditions without purification.
- Suitable for late-stage functionalization due to the high functional-group tolerance.

Applications

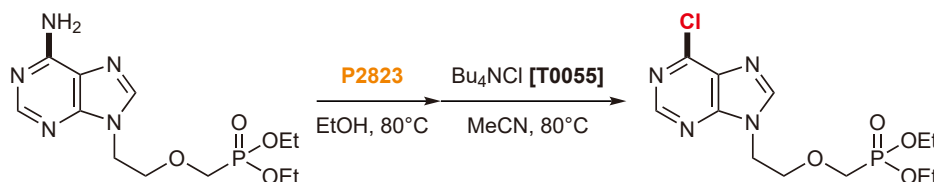
Nucleophilic Aromatic Substitution of Amino Heteroaromatics ^{1,2)}



Arylamination of Amino Heteroaromatics ¹⁾



Deaminative Chlorination of Amino Heteroaromatics ²⁾



References 1) D. Moser, J. Cornella, *et al.*, *Angew. Chem. Int. Ed.* **2018**, *57*, 11035. <https://doi.org/10.1002/anie.201806271>
2) C. Ghiazza, T. Faber, A. Gómez-Palomino, J. Cornella, *Nat. Chem.* **2022**, *14*, 78. <https://doi.org/10.1038/s41557-021-00812-0>

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