

The *phospho*-Friedel-Crafts-Bradsher reaction - a new member of a heteroatom family.

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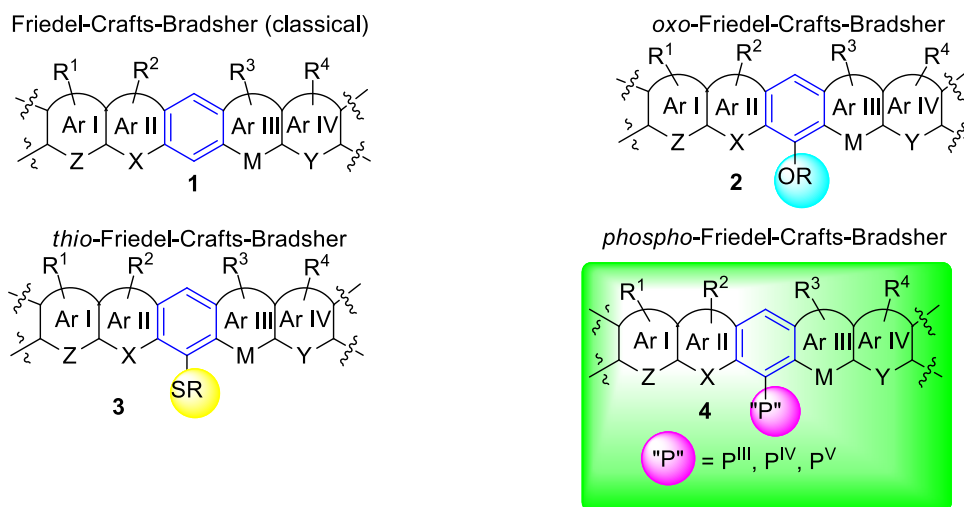
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Among various, general methods for the synthesis of acenes and heteroacenes **1**, the classical Bradsher cyclization (1940) [2], which is the intramolecular version of the discovered earlier Friedel-Crafts acylation and alkylation reactions (1877) [1], realizes the most common ring closure strategy. In our lab, we develop new *hetero*-variants of this reaction leading to formation of highly substituted push-pull acenes **2** [3] and **3**[4]. In this communication, a new *phospho*-variant will be presented which give access to P^{IV}-substituted derivatives **4**.

Family of *hetero*-Friedel-Crafts-Bradsher reactions



Scheme 1. A family of *hetero*-Friedel-Crafts-Bradsher reactions.

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References

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