

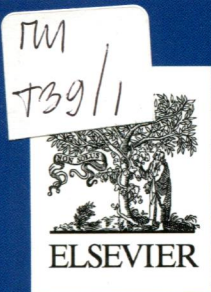
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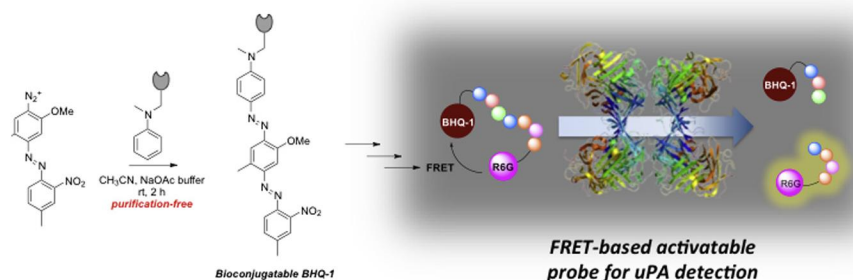
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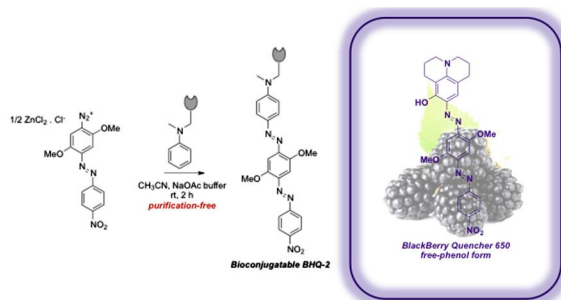
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Arnaud Chevalier, Pierre-Yves Renard*, Anthony Romieu*



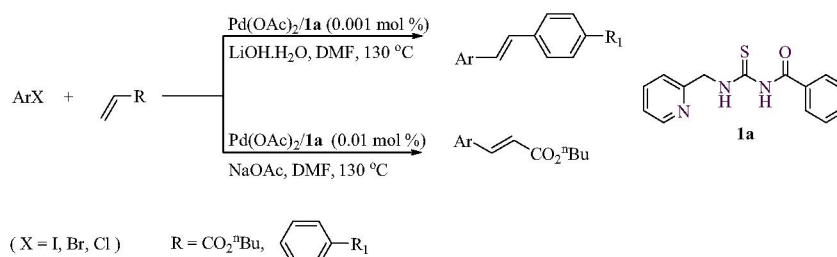
Straightforward synthesis of bioconjugatable azo dyes. Part 2: Black Hole Quencher-2 (BHQ-2) and BlackBerry Quencher 650 (BBQ-650) scaffolds

Arnaud Chevalier, Pierre-Yves Renard*, Anthony Romieu*



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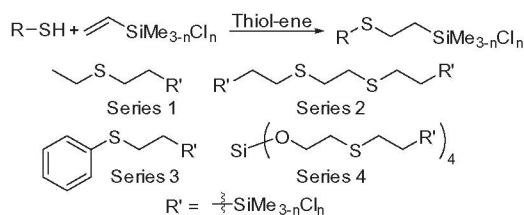
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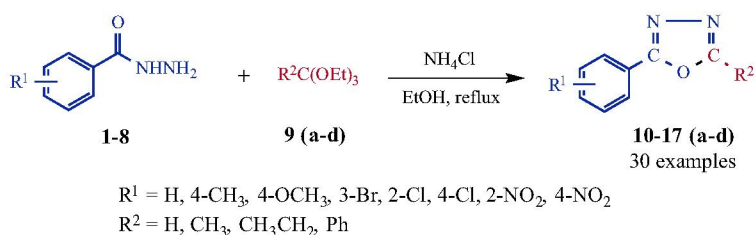
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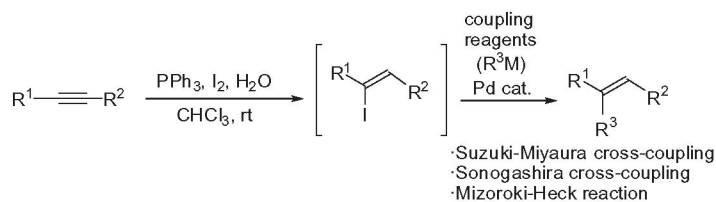
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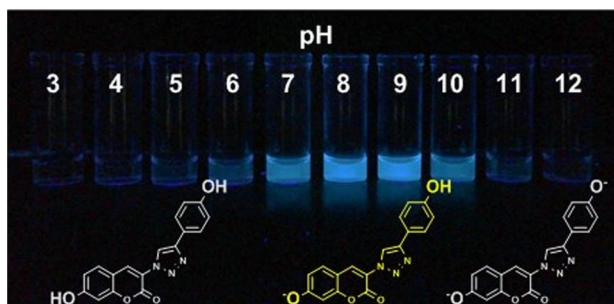
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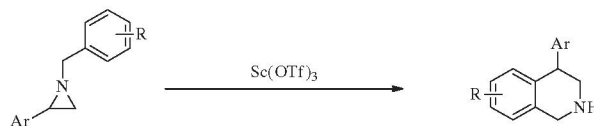
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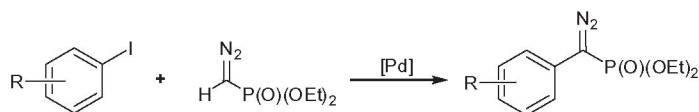
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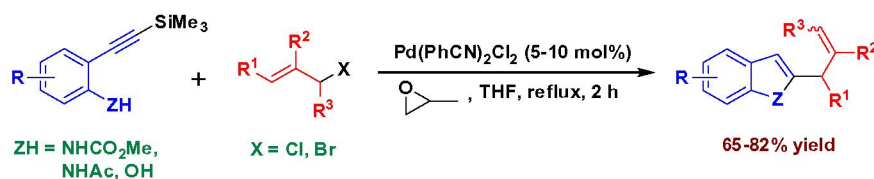
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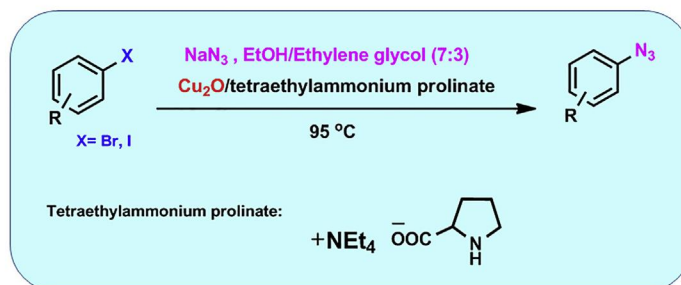
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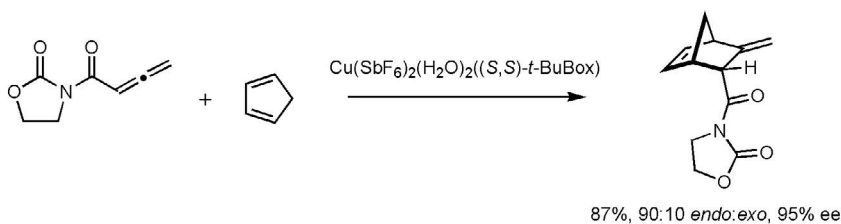
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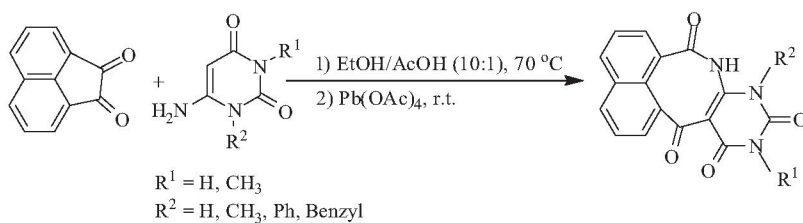
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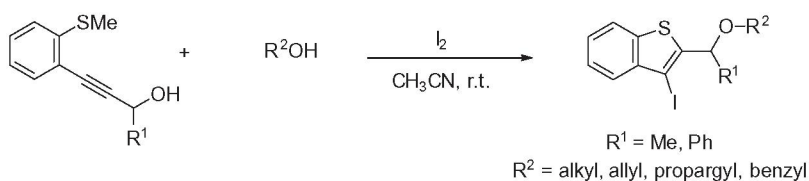
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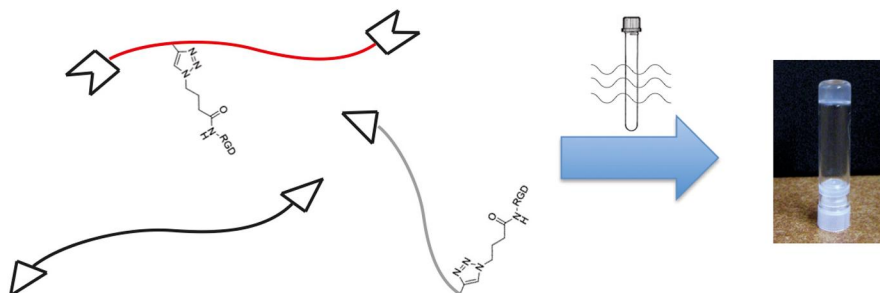
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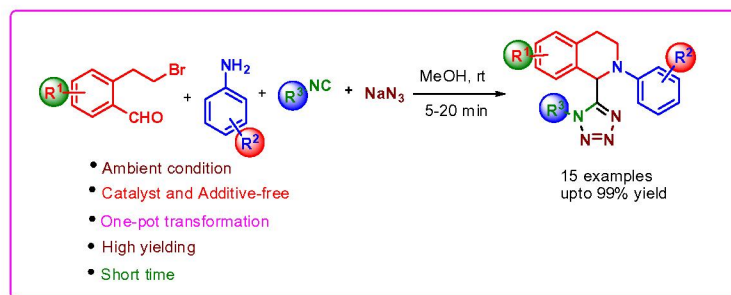
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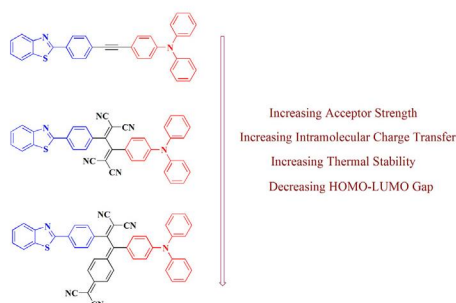
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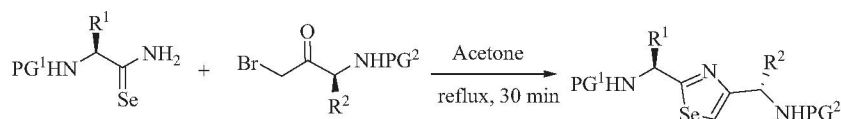
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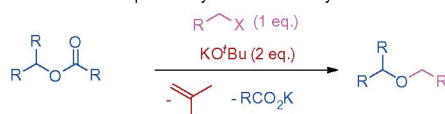
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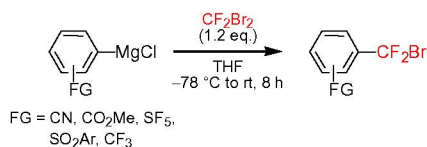
One-Pot-Two-Step Ether Synthesis From Acylated Alcohols



Bromodifluoromethylation of aromatic Grignard reagents with CF₂Br₂

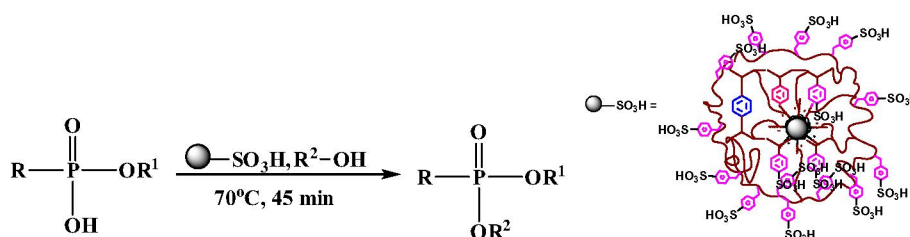
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Masahiro Shiosaki, Munenori Inoue*

**Polymer-supported sulfonated magnetic resin: an efficient reagent for esterification of *O*-alkyl alkylphosphonic- and carboxylic-acids**

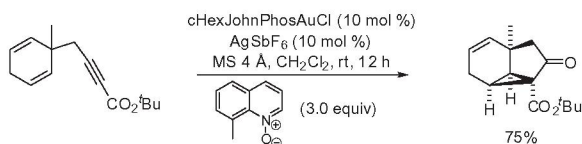
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**Synthesis of cycloalkanone-fused cyclopropanes by Au(I)-catalyzed oxidative ene-yne cyclizations**

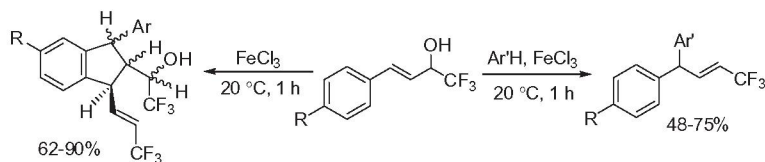
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Yuta Uetake, Takashi Niwa, Masahisa Nakada*

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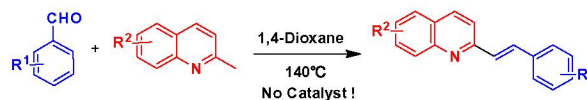
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Catalyst-free synthesis of (*E*)-2-alkenylquinoline derivatives via C(sp³)-H functionalization of 2-methylquinolines

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Lubin Xu, Zhuzhou Shao, Liang Wang, Huaili Zhao, Jian Xiao*

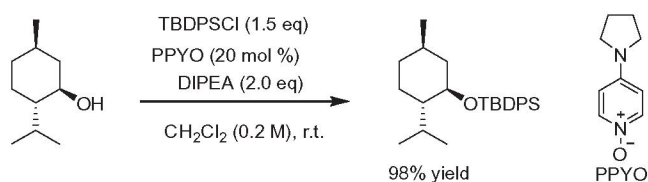


This Letter described a facile approach to synthesize (*Z*)-2-alkenylquinoline derivatives via C(sp³)-H functionalization of 2-methylquinolines under catalyst-free conditions. A variety of electronically and sterically diverse 2-methylquinoline and aromatic aldehydes were well tolerated.

**Catalytic silylation of secondary alcohols by pyridine *N*-oxide derivative**

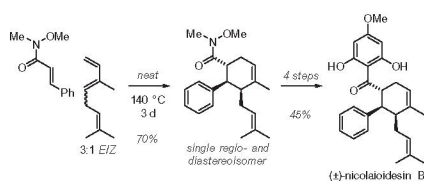
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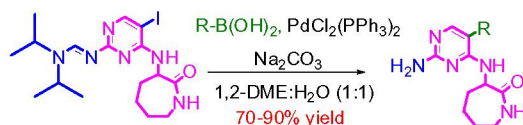
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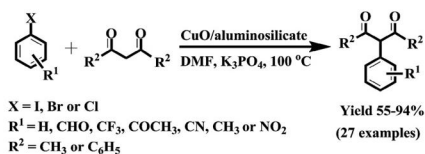
N. Senthilkumar, Y. Dominic Ravichandran*, R. Rajesh



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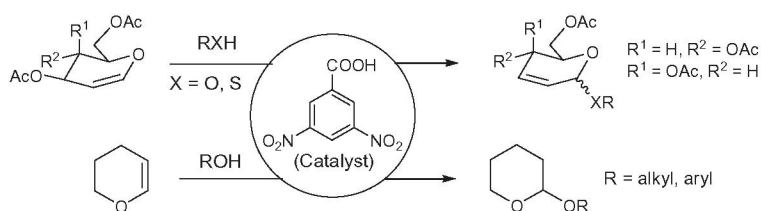
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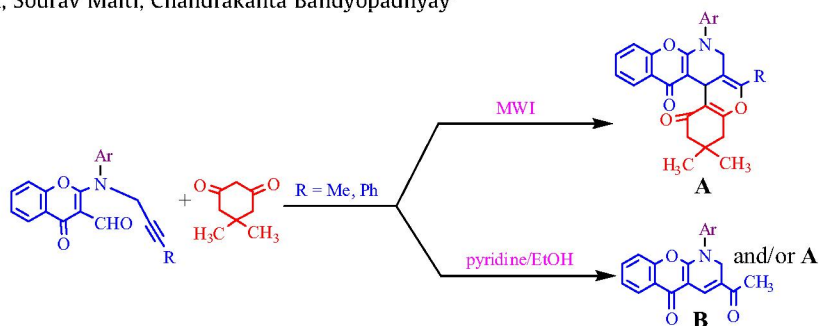
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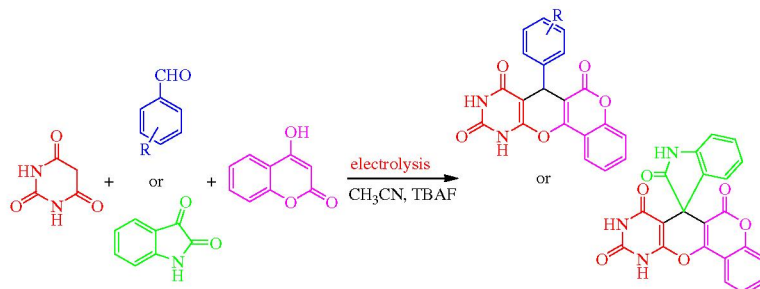
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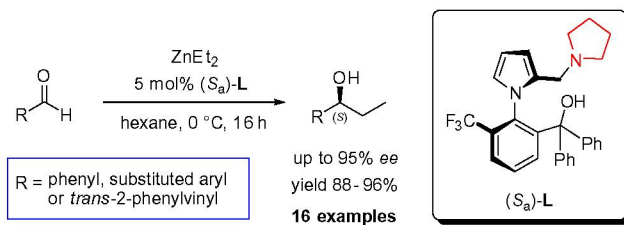
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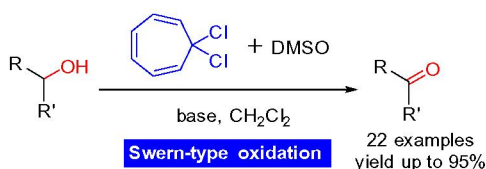
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Thanh Vinh Nguyen*, Michael Hall

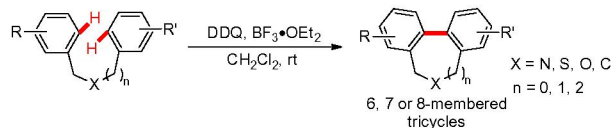
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Shutao Sun, Jingjing Yang, Fanmei Li, Zheng Lv, Wei Li*, Hongxiang Lou*, Lei Liu*

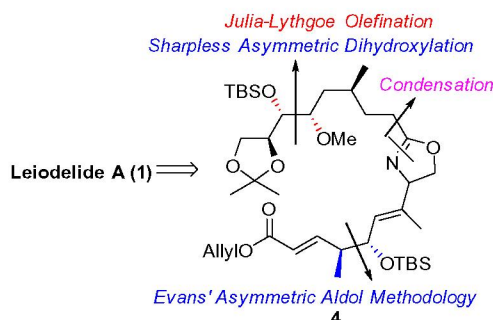
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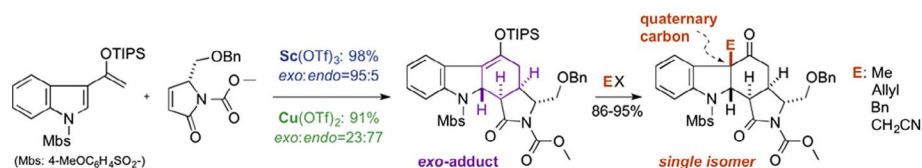
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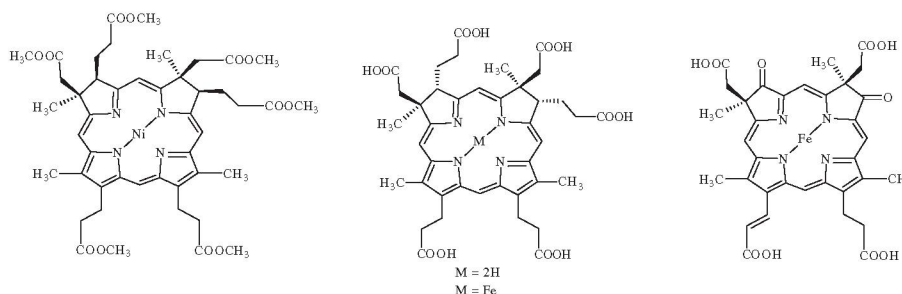
Stereoselective synthesis of chiral hydrocarbazoles via the catalytic Diels–Alder reaction of siloxyvinylindole and cyclic *Z*-olefin

Keisuke Yoshida, Takahiro Morikawa, Naoto Yokozuka, Shinji Harada, Atsushi Nishida*



A concise synthesis of Ni-didecarboxysirohydrochlorin hexamethylester—a model compound for key intermediates in heme *d*₁ and heme biosynthesis

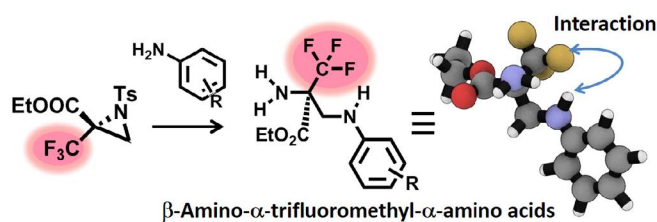
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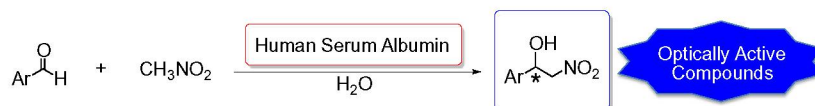
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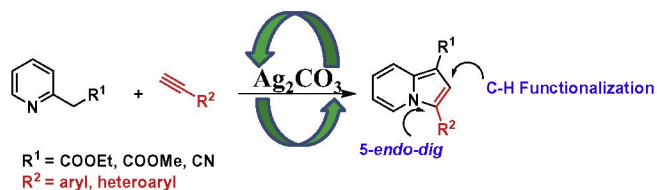
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Amit N. Pandya, James T. Fletcher, Eric M. Villa, Devendra K. Agrawal*

**Synthesis, DFT calculations, cyclic voltammetry and antibacterial activities of a new blue-violet dye and a new blue-green fluorescent heterocyclic system**

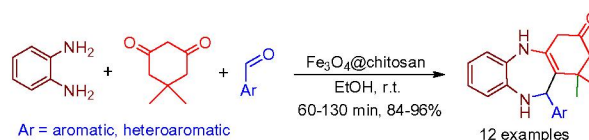
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Mozhgan Mazloun Farsi Baf, Mehdi Pordel*, Leila Rezaei Daghighi

**An efficient synthesis of benzodiazepine derivatives via a one-pot, three-component reaction accelerated by a chitosan-supported superparamagnetic iron oxide nanocomposite**

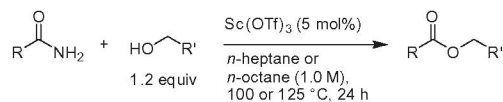
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Ali Maleki*, Maryam Kamalzare

**Scandium triflate catalyzed ester synthesis using primary amides**

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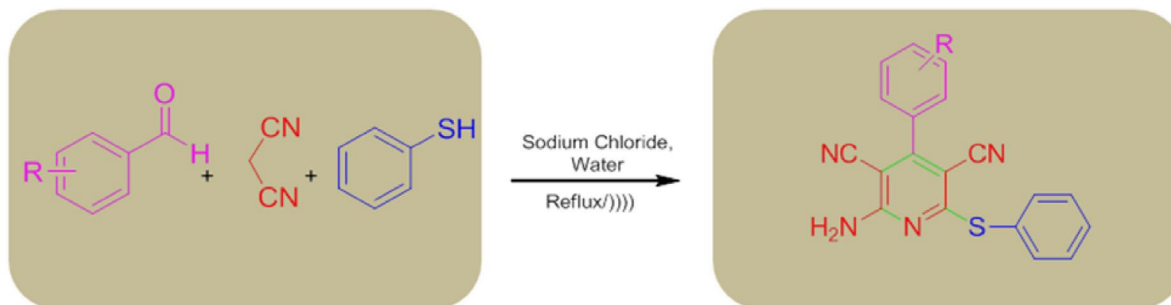
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Sodium chloride: a proficient additive for the synthesis of pyridine derivatives in aqueous medium

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Jitendra B. Gujar, Mahendra A. Chaudhari, Deepak S. Kawade, Murlidhar S. Shingare*

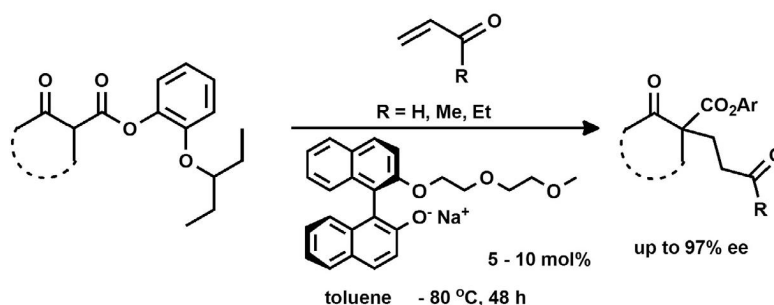


In the present work, a facile and convenient synthesis of substituted pyridines has been developed via a one-pot multicomponent reaction of easily available aromatic aldehydes, malononitrile and thiophenol under aqueous media and in the presence of NaCl as mild conditions. A series of functionalized pyridines were thus obtained by this multicomponent reaction, in which four new bonds were formed. Particularly valuable features of this protocol including mild conditions, simple execution, broad substrate scope and good yields of products make it an efficient and promising synthetic strategy to build pyridine skeleton.

Highly enantioselective Michael addition of 2-alkoxyphenyl esters of α -substituted β -keto acids to non-prochiral α,β -unsaturated carbonyl compounds catalyzed by sodium 2'-[2-(2-methoxyethoxy)ethoxy]-1,1'-binaphthalen-2-oxide

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Toyohiro Otani, Wataru Namatame, Yasufumi Tamai*



*Corresponding author

Supplementary data available via ScienceDirect

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