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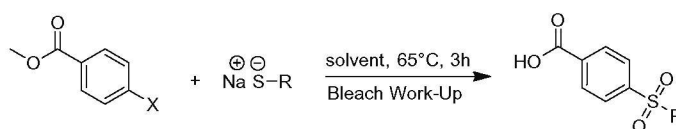
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An environmentally-friendly one-pot synthesis of 4-sulfonyl benzoic acids

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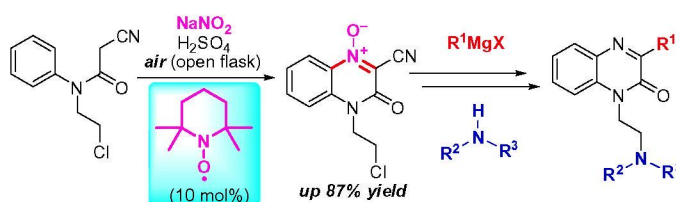
This Letter reports the first environmentally-friendly one-pot S_NAr reaction of thiols to 4-halobenzoic acid methyl esters to provide 4-substituted sulfone benzoic acids and picolinic acids after oxidative workup. These acid intermediates were performed on gram scale and are perfect partners for library synthesis and have good physical and chemical properties for drug discovery.



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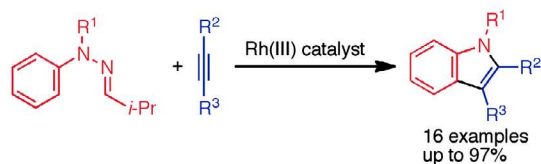
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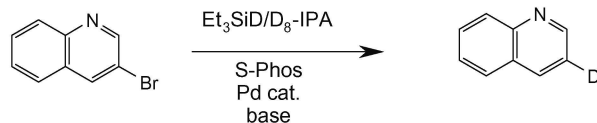
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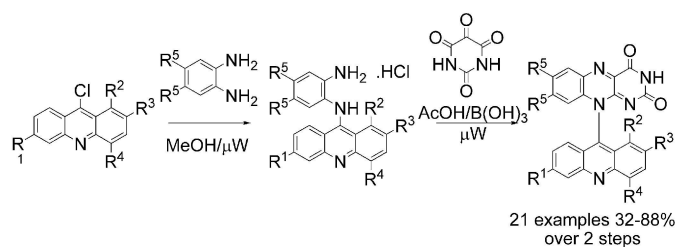
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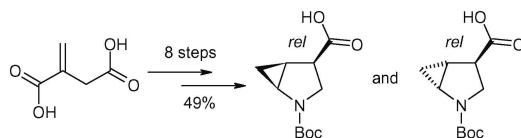
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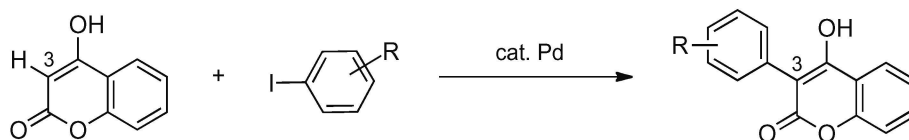
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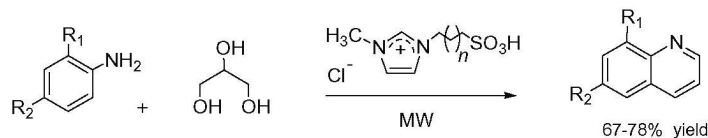
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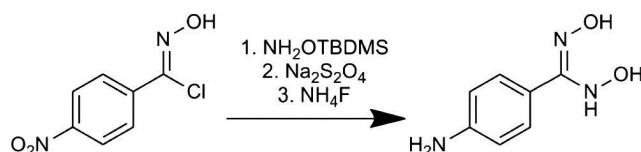
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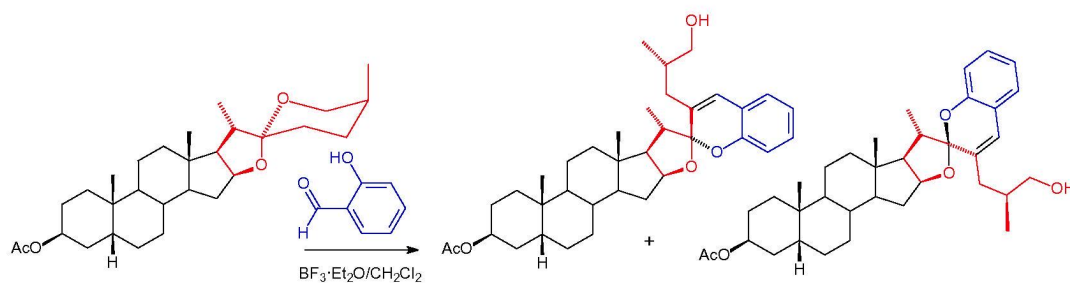
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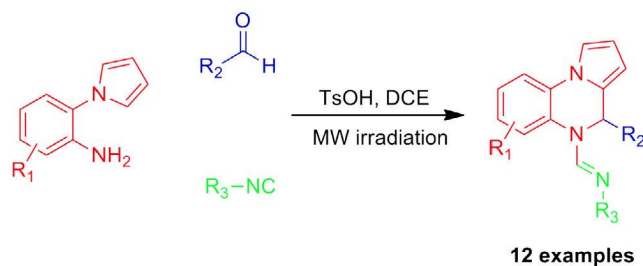
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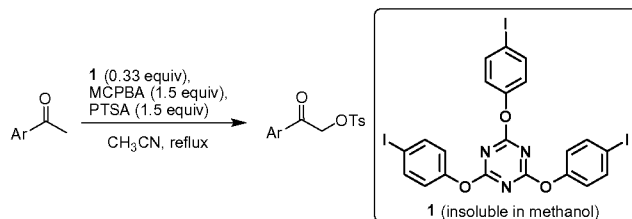
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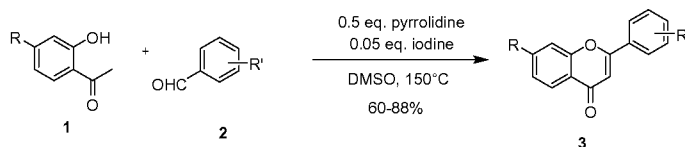
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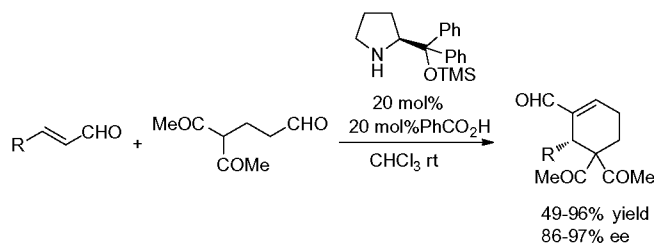
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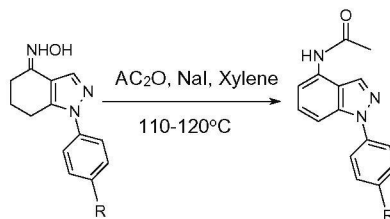

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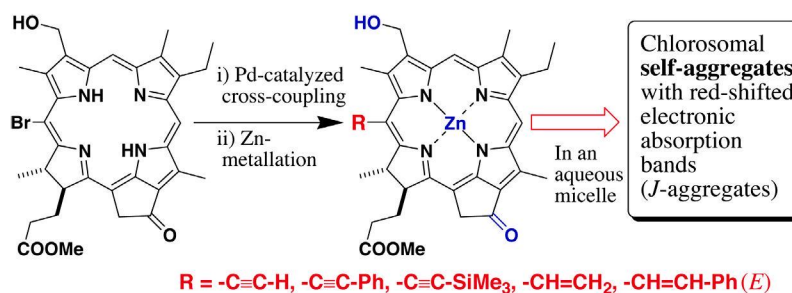
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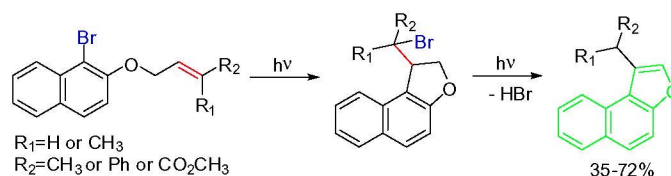
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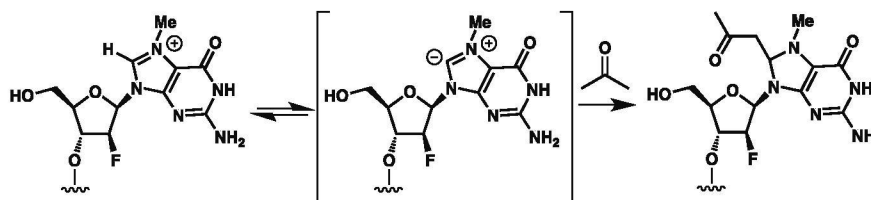
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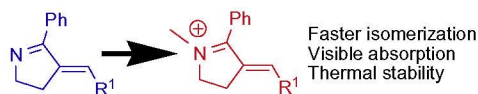
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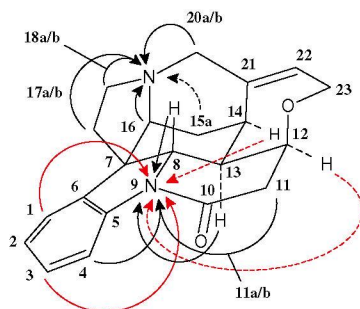
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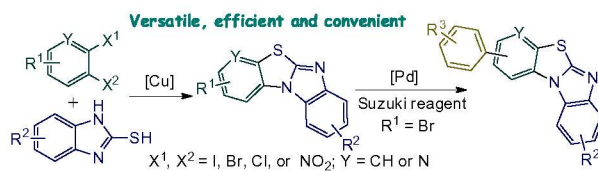
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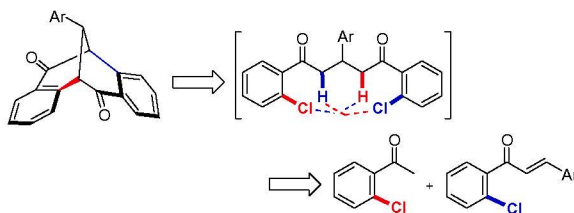
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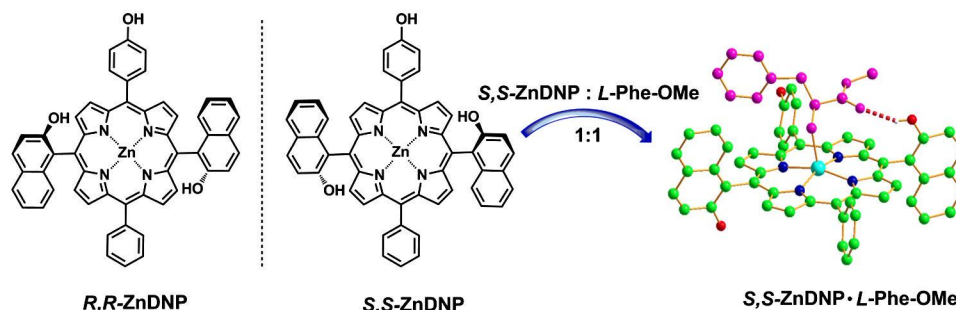
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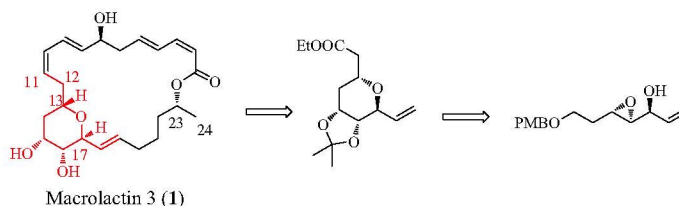
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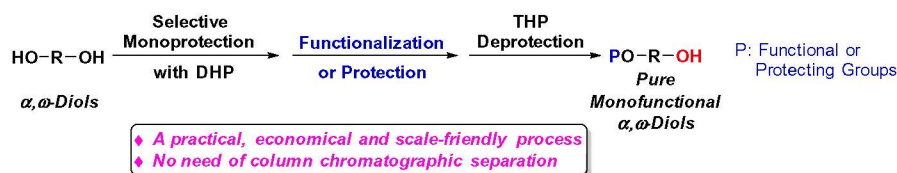
An intrinsic chiral dinaphthylporphyrin with C_2 symmetry has been synthesized and resolved to pure enantiomers. The stereochemistry has been studied by single-crystal X-ray diffraction analysis.

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Quanxuan Zhang*, Hong Ren, Gregory L. Baker



*Corresponding author

Supplementary data available via ScienceDirect

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