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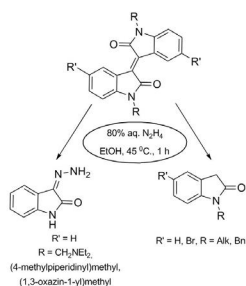
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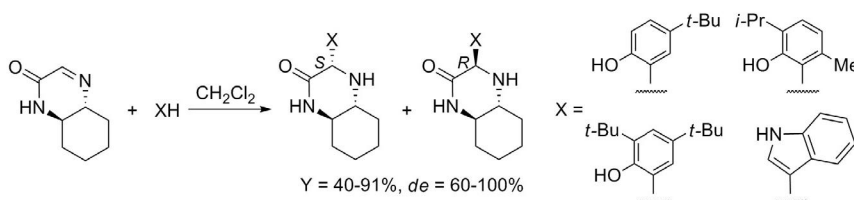
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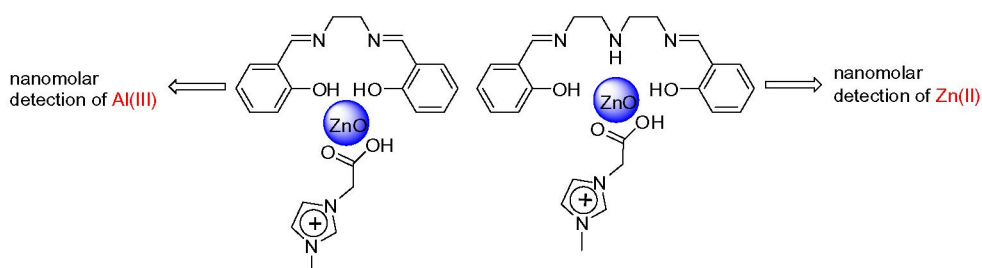
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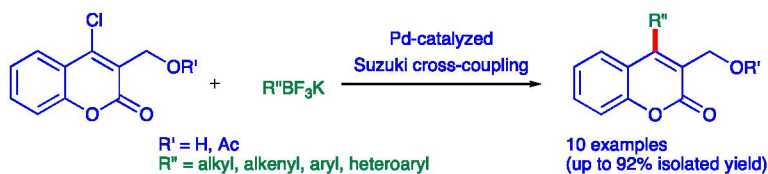
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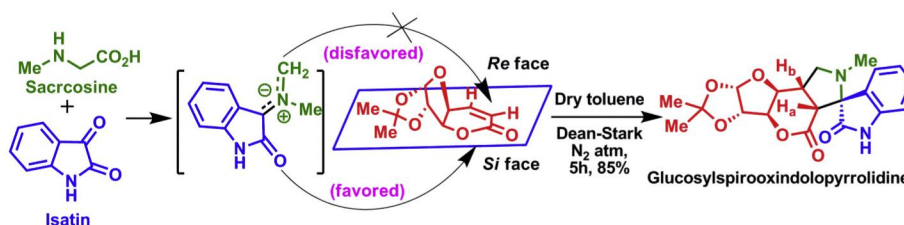


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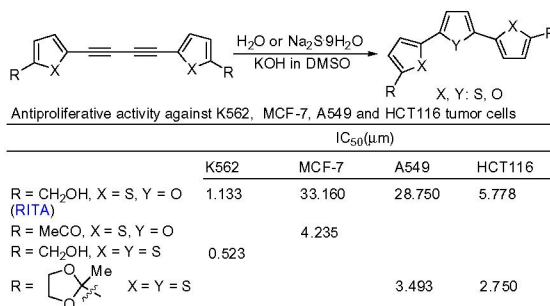
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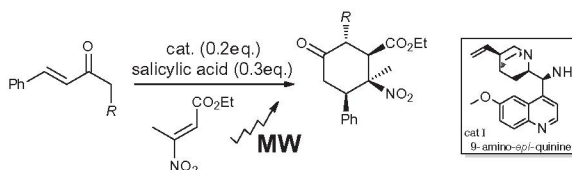
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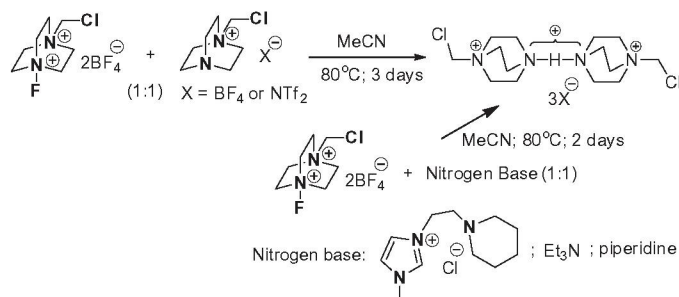

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Reaction of Selectfluor (F-TEDA-BF₄) with chloromethylated-DABCO monocation salts (X = BF₄, NTf₂) and other nitrogen bases (Et₃N; piperidine; basic ionic liquid); unexpected formation of symmetrical [N–H–N]⁺ trication salts
Kenneth K. Laali*, Arezu Jamalian, Chunqing Zhao

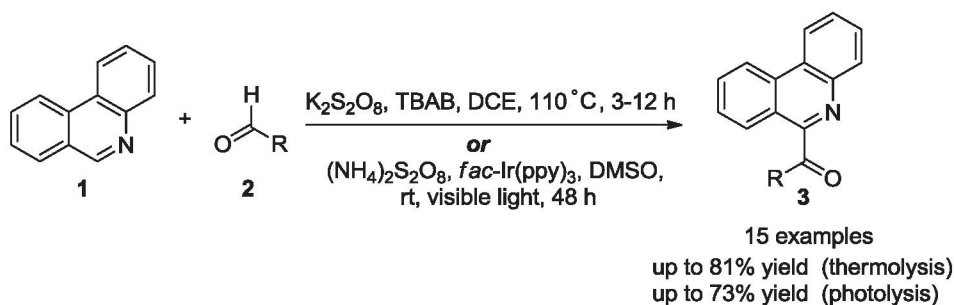
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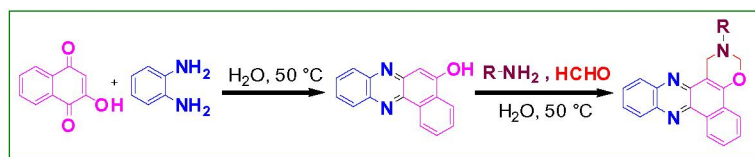
Using K₂S₂O₈ as oxidant and TBAB as initiator, acyl radicals generate from aldehyde substrates and couple with phenanthridine under thermal conditions at 110 °C. When K₂S₂O₈/TBAB is displaced by (NH₄)₂S₂O₈ and another 5 mol % *fac*-Ir(ppy)₃ catalyst is added to the reaction system, this type of coupling reaction proceeds slowly under visible light at room temperature.



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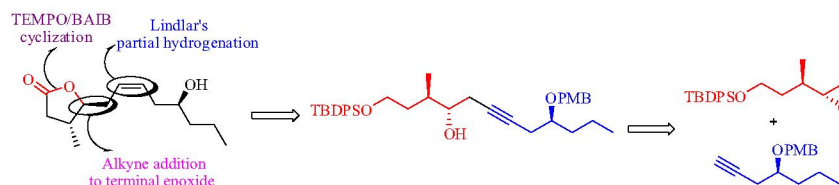
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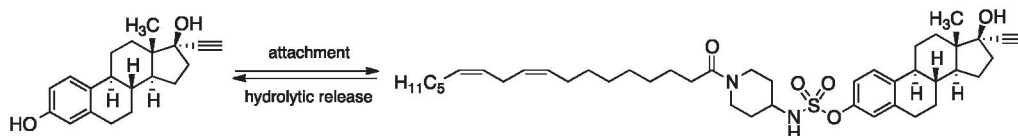
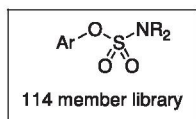
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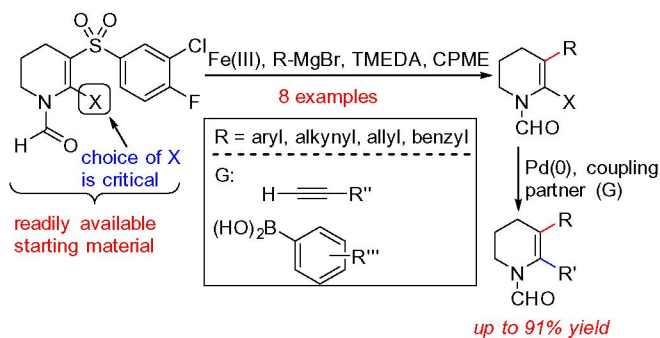
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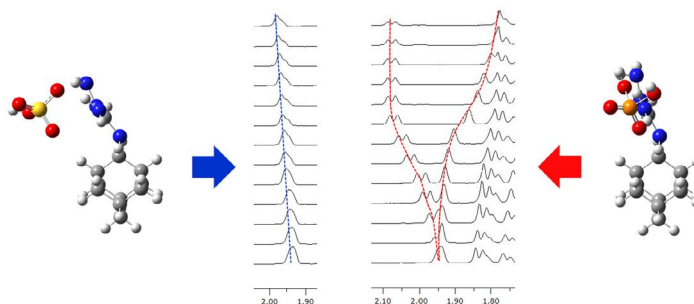
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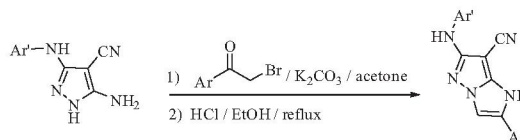
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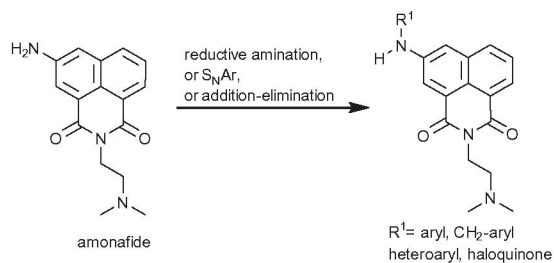
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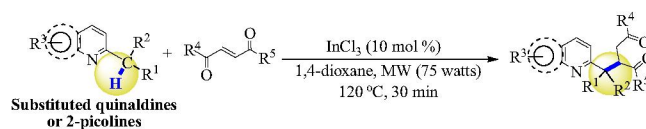
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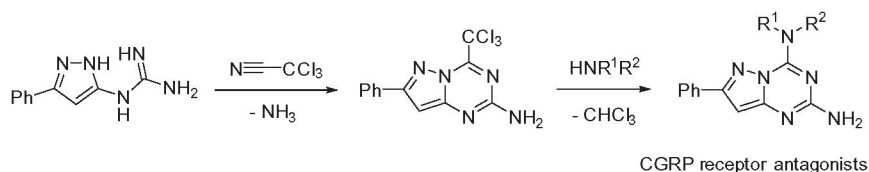
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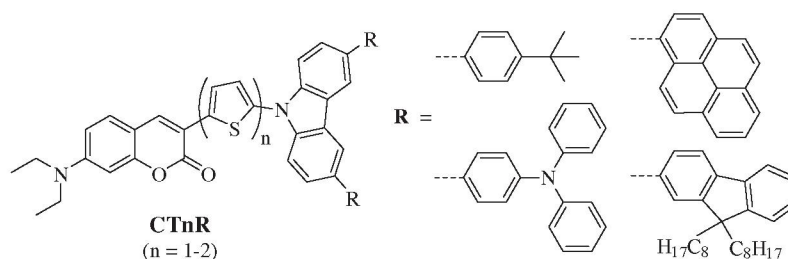
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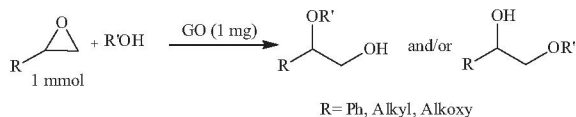
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Graphite oxide: a simple and efficient solid acid catalyst for the ring-opening of epoxides by alcohols

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Maryam Mirza-Aghayan*, Mahdi Alizadeh, Mahdih Molaee Tavana, Rabah Boukherroub

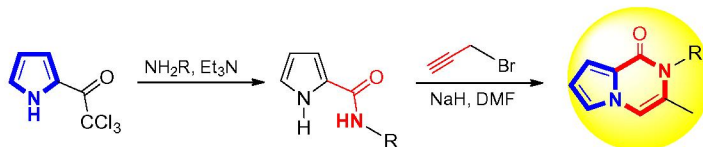


A simple, efficient, and general procedure for the ring-opening of epoxides with various alcohols to give the corresponding β -alkoxy alcohols using graphite oxide (GO) as the catalyst under very mild reaction conditions is described.

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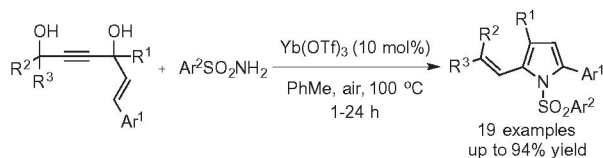
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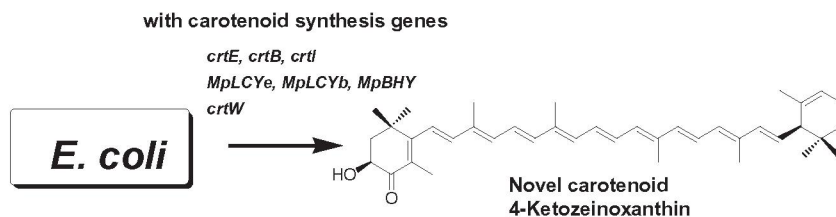
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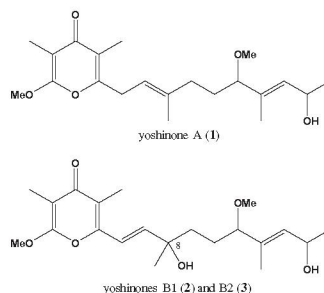
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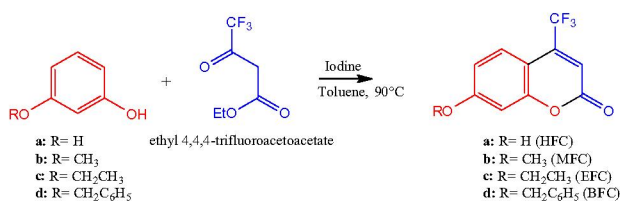
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Jami DeGrote, Stephen Tyndall, Koon Fai Wong, Melissa VanAlstine-Parris*

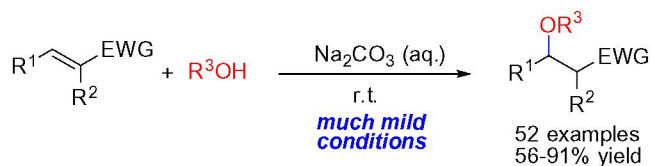
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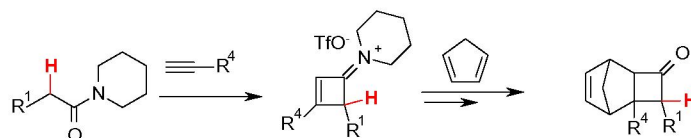
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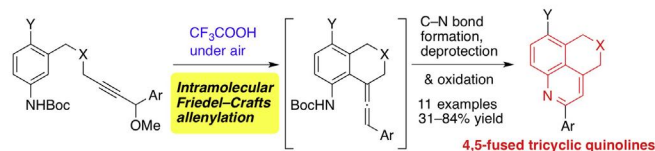
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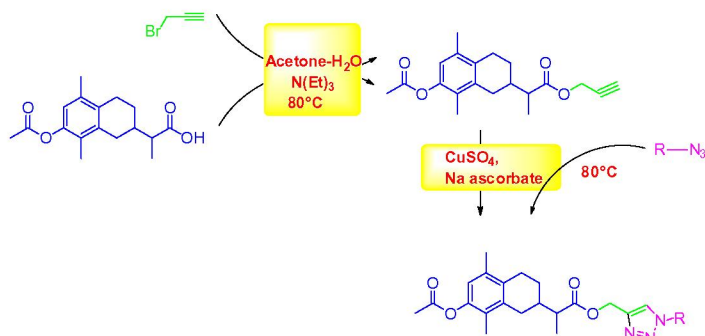
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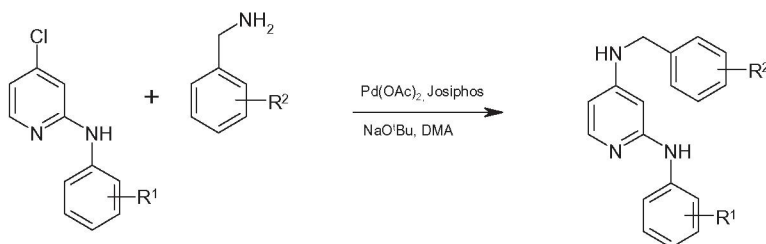
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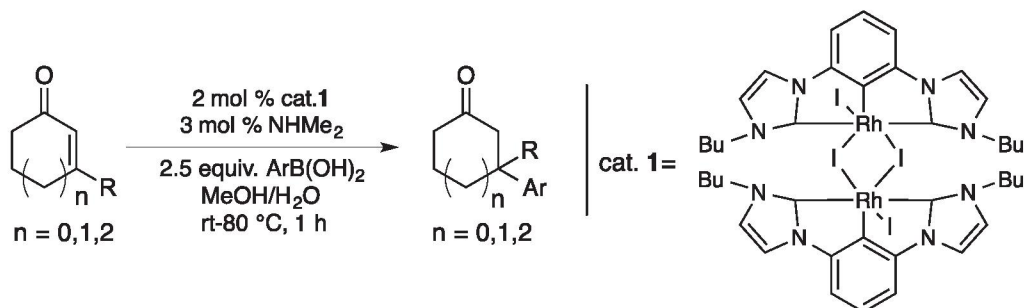
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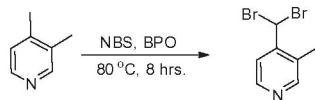
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Rajesh Thapa, Jordan Brown, Thomas Balestri, Richard T. Taylor*



*Corresponding author

Supplementary data available via ScienceDirect

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