

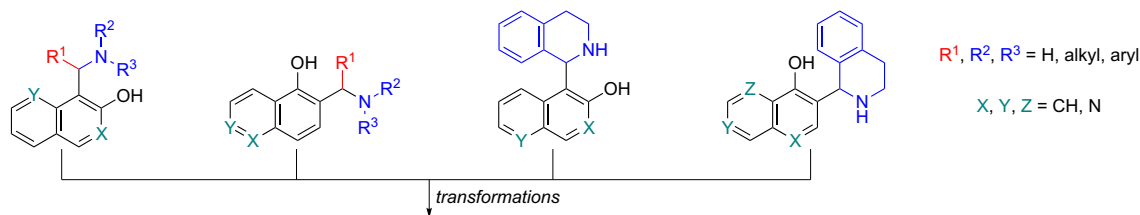


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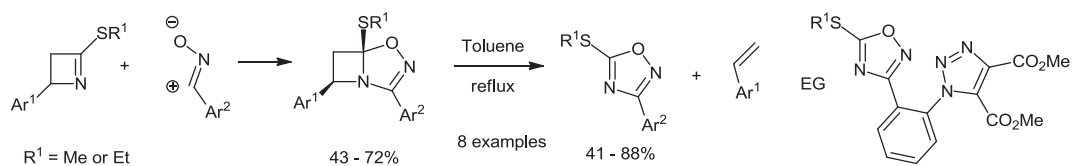
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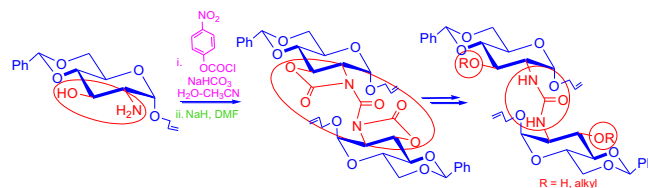
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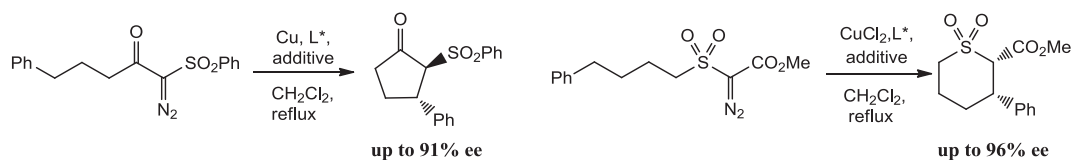
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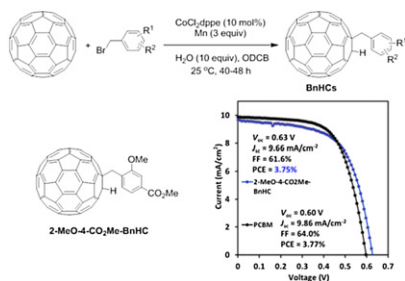
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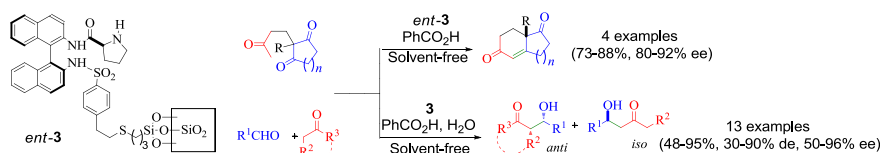
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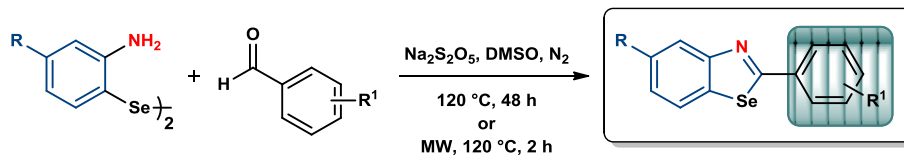
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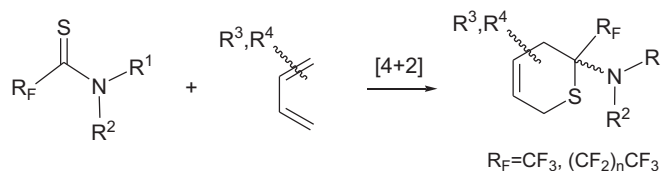
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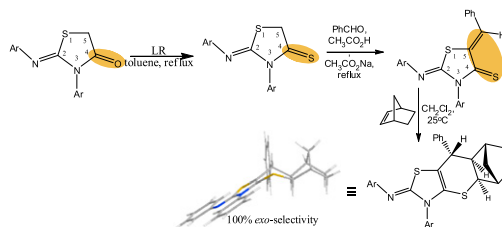
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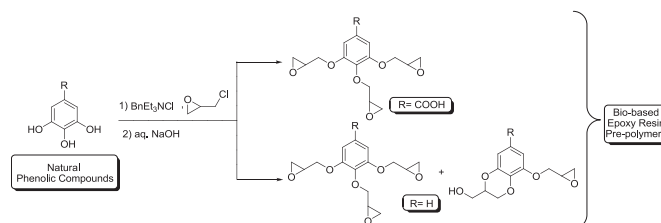
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### Study of the O-glycidylation of natural phenolic compounds. The relationship between the phenolic structure and the reaction mechanism

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Chahinez Aouf\*, Christine Le Guernevé, Sylvain Caillol, H el ene Fulcrand

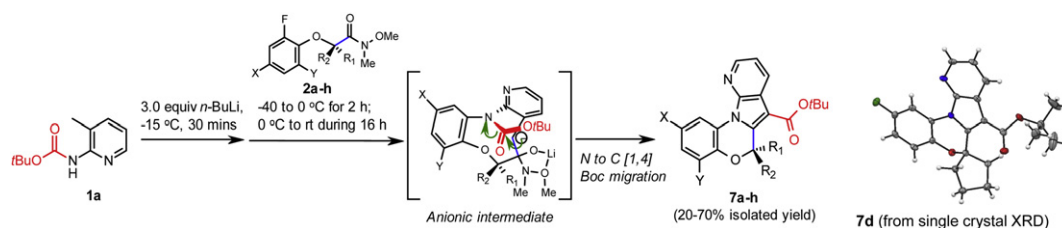


In the aim to synthesize bio-based epoxy resin pre-polymers, the O-glycidylation reaction of several natural phenolic compounds has been achieved, in the presence of phase transfer catalyst. It has been shown that the reactivity of these phenolic compounds is highly influenced by their chemical structure.



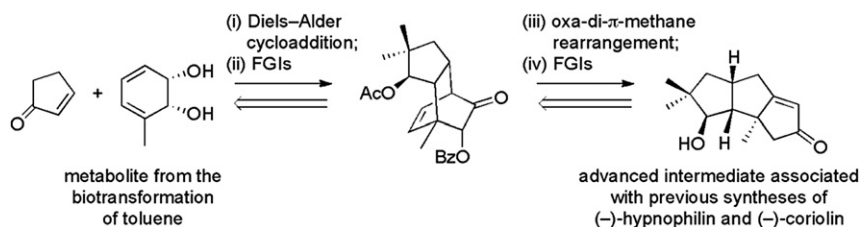
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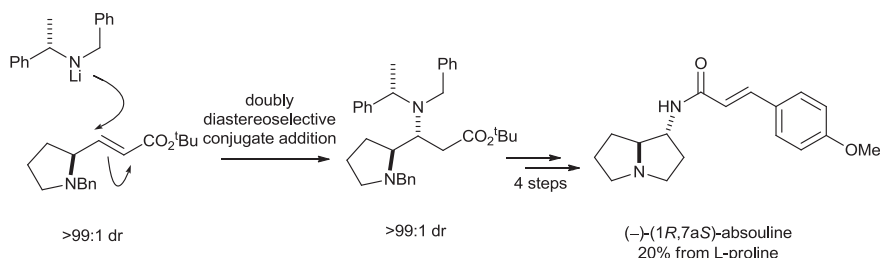
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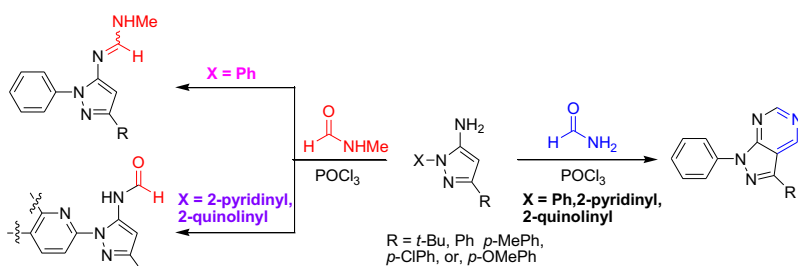
Stephen G. Davies\*, Ai M. Fletcher, Clément Lebée, Paul M. Roberts, James E. Thomson, Jingda Yin



The asymmetric synthesis of (–)-(1*R*,7*S*)-absoulone was accomplished in eight steps and 20% overall yield from commercially available starting materials by employing the doubly diastereoselective conjugate addition of lithium (*S*)-*N*-benzyl-*N*-( $\alpha$ -methylbenzyl)amide to an enantiopure  $\alpha,\beta$ -unsaturated ester derived from *L*-proline as the key step.

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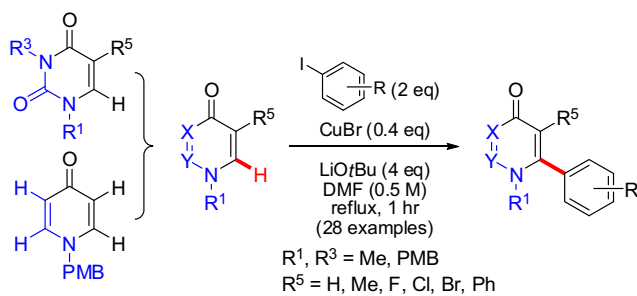
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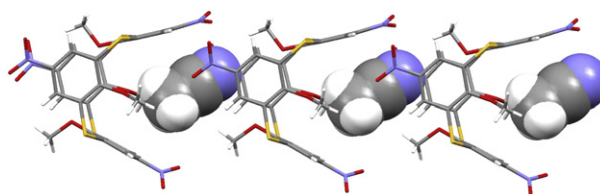
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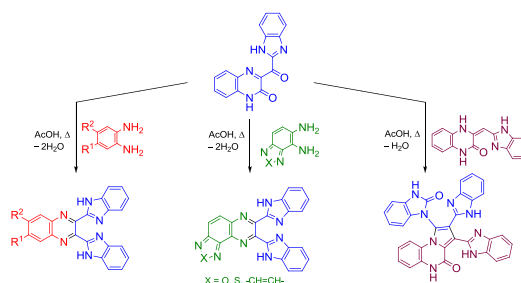
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
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