

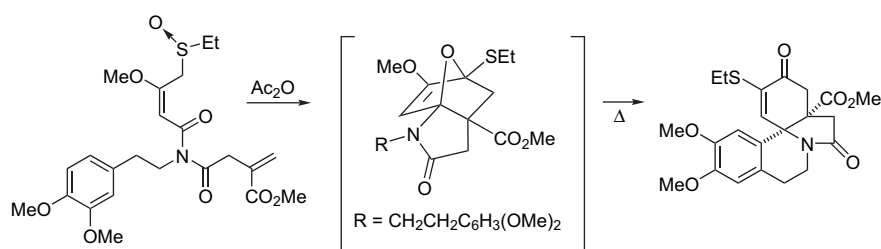
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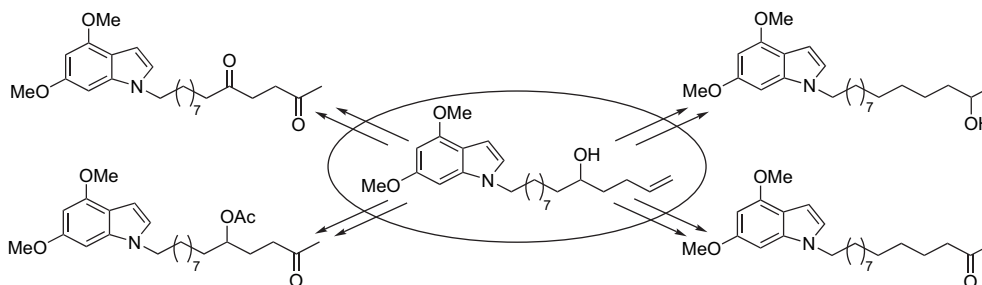


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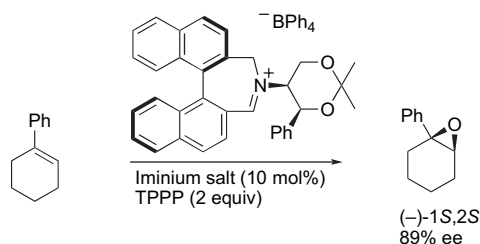
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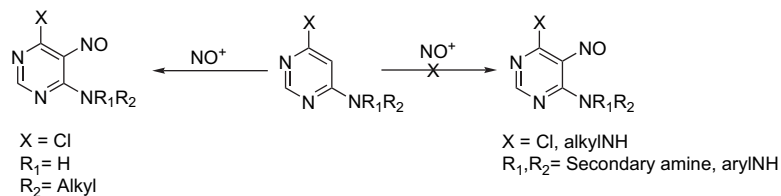
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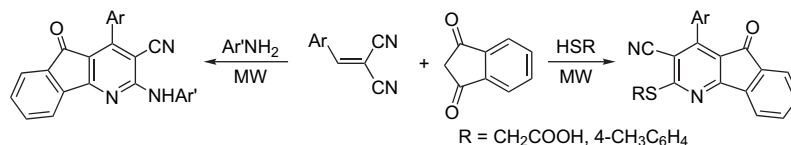
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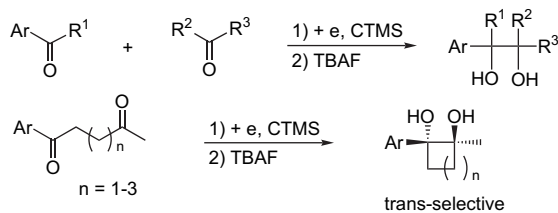
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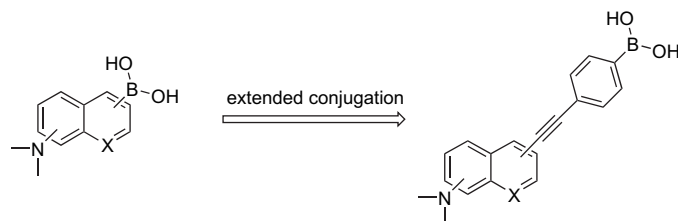
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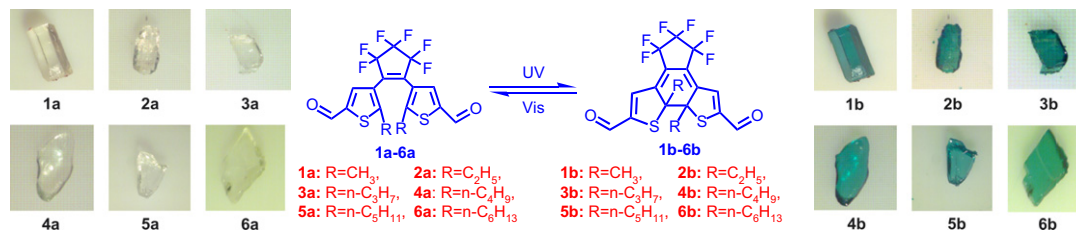
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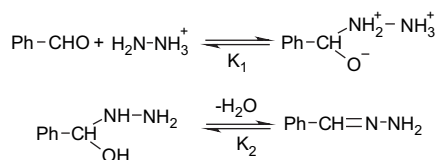
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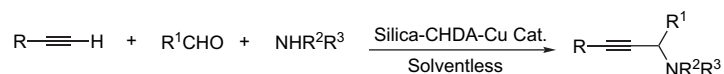
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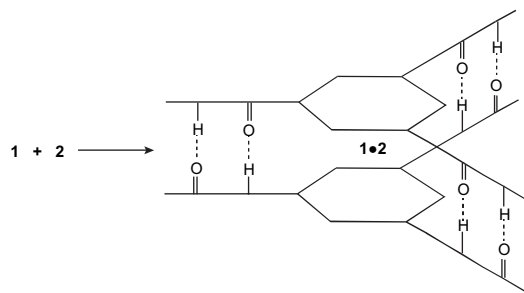
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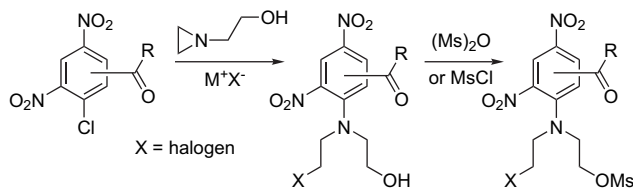
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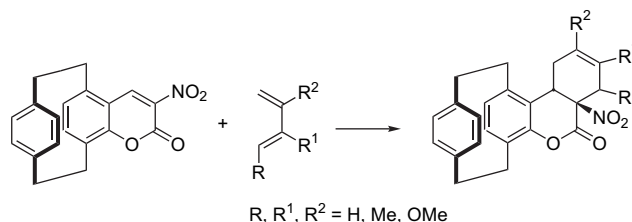


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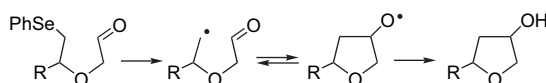
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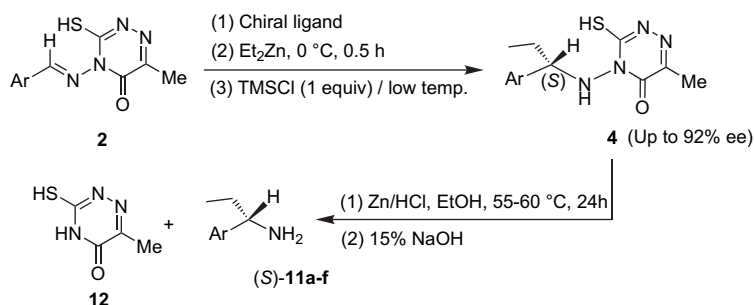
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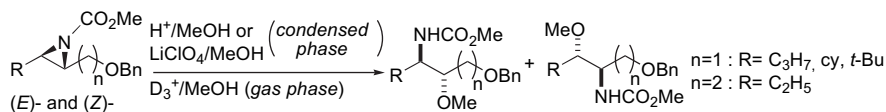
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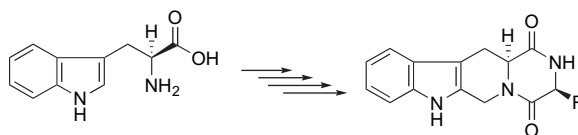
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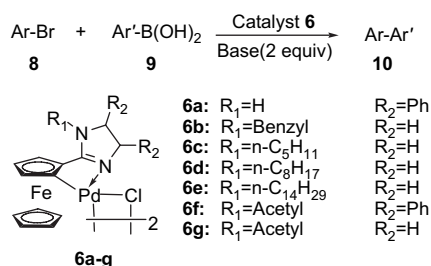
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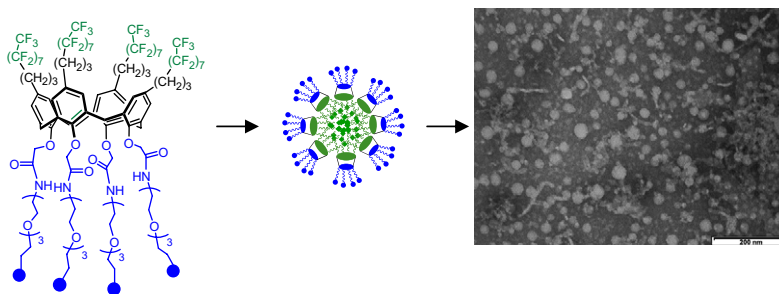
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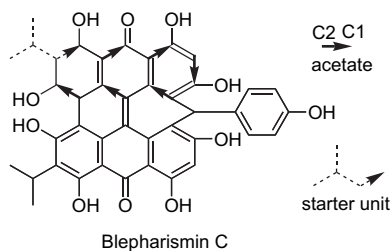
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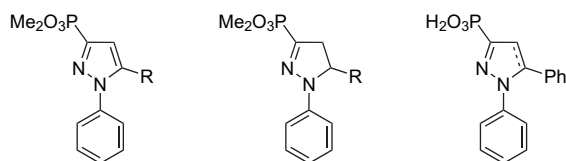
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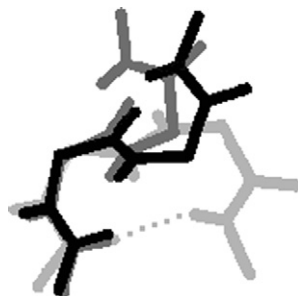
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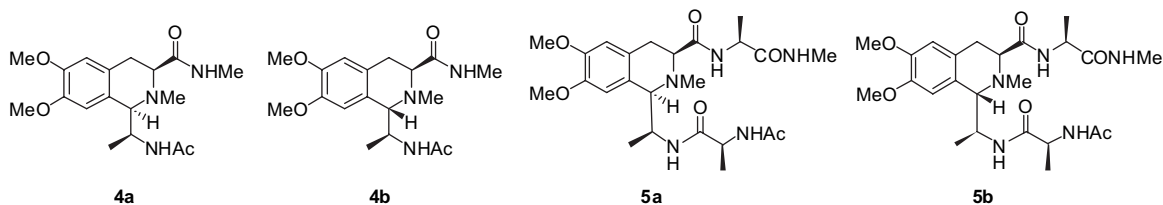
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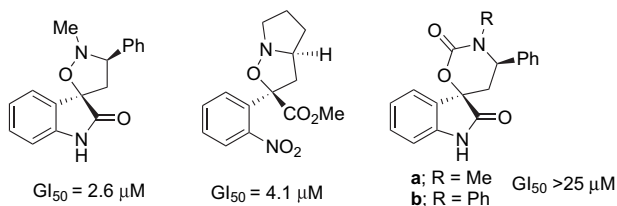
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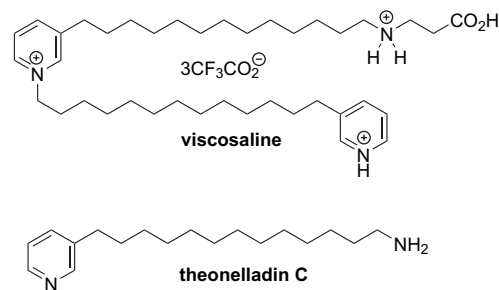
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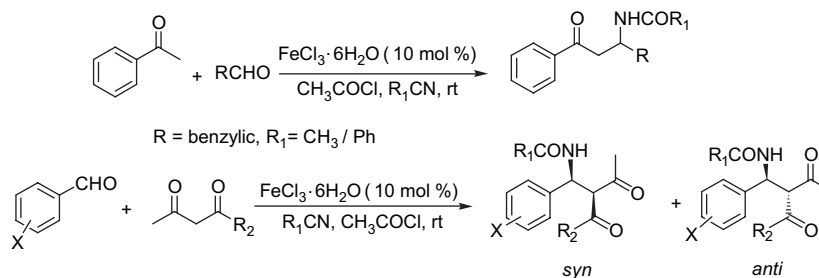


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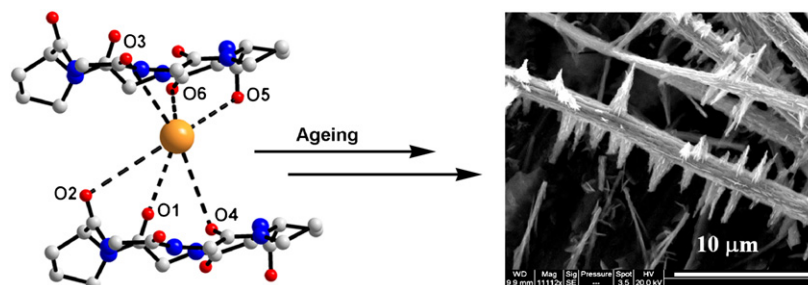
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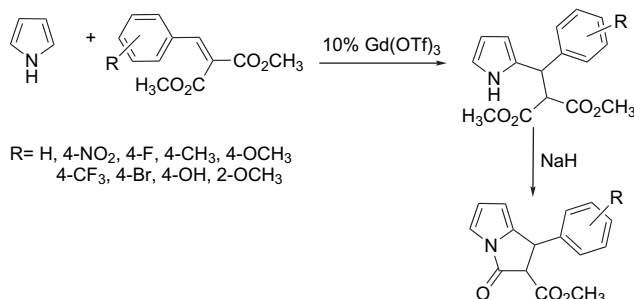
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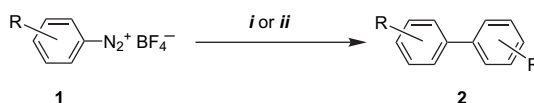
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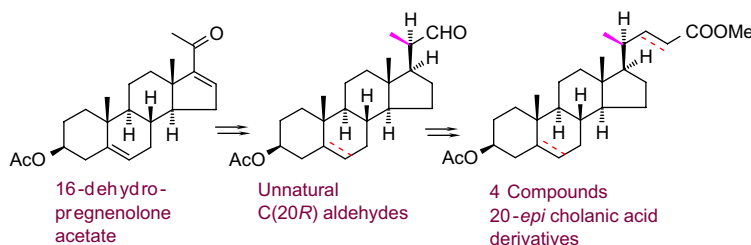


(i) 1.5 equiv CuOTf; MeCN; 0 °C–rt; overnight; R=EWG(s); (ii) 20 mol % Cu(OTf)₂, bpy; 3 equiv Cu; MeCN; rt; overnight; R=H or EDG(s); 15 examples; yields: 7–96%.

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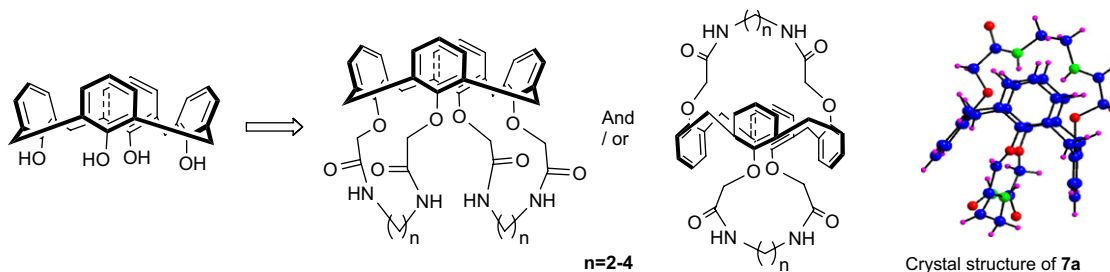
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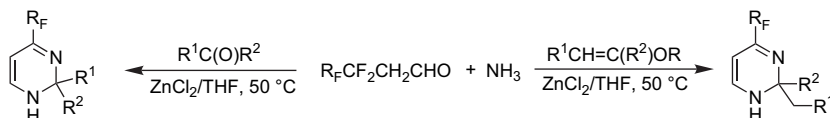
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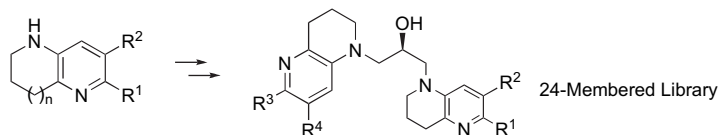
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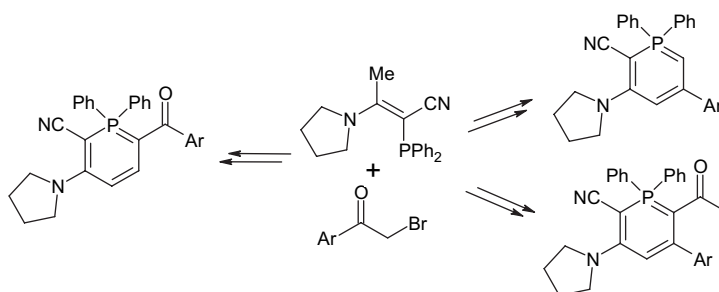
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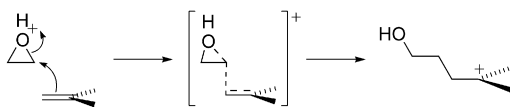
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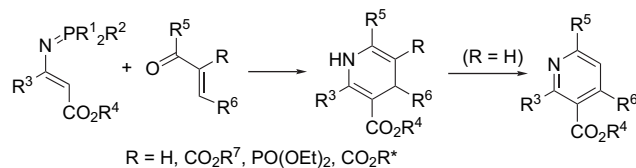
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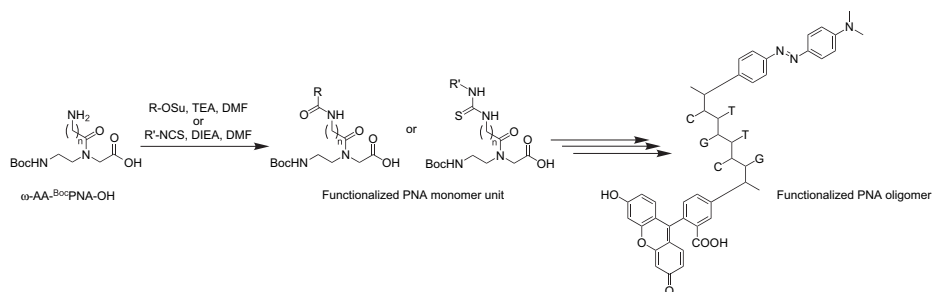
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