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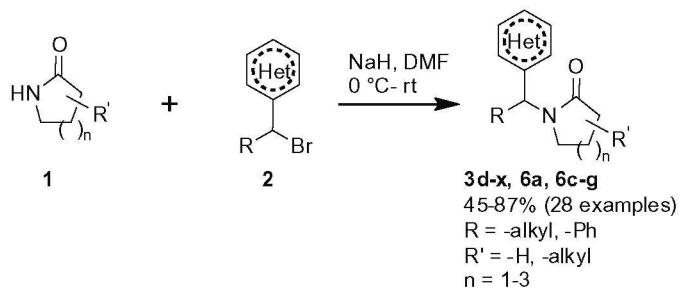
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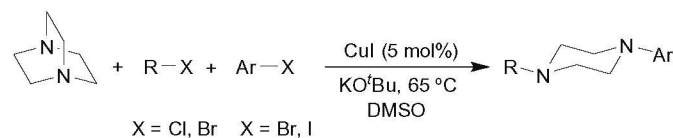


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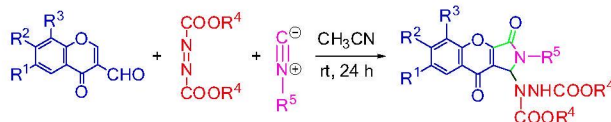
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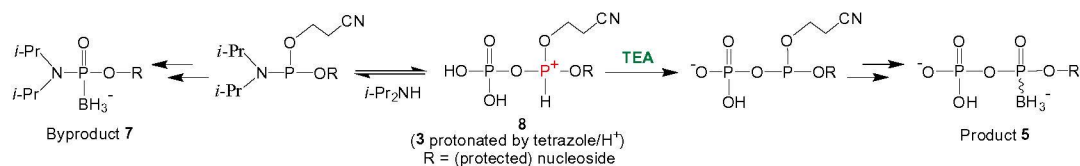
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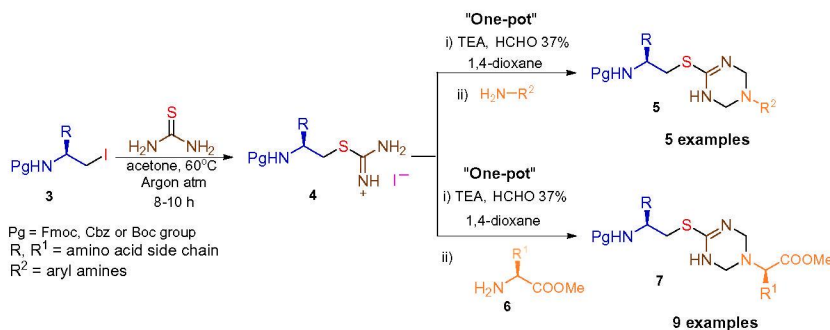
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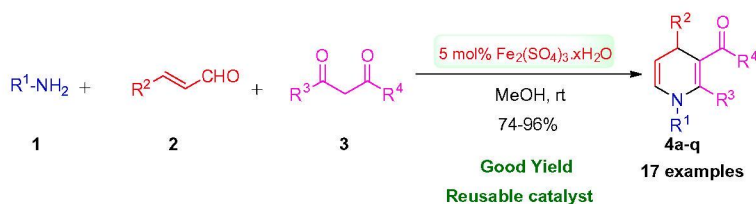
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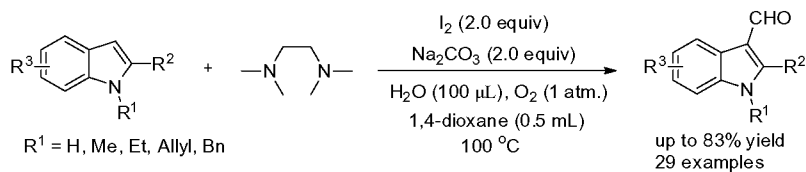
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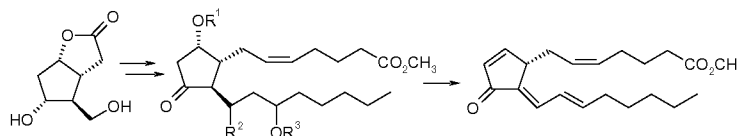
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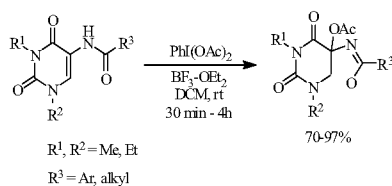
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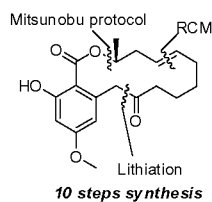
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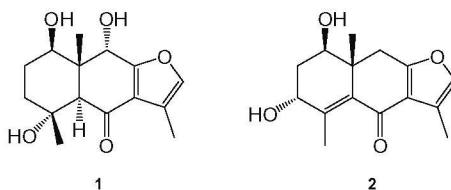
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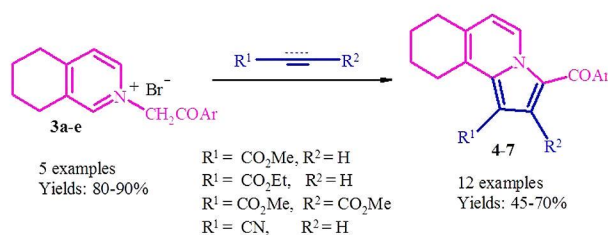
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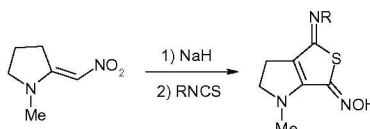
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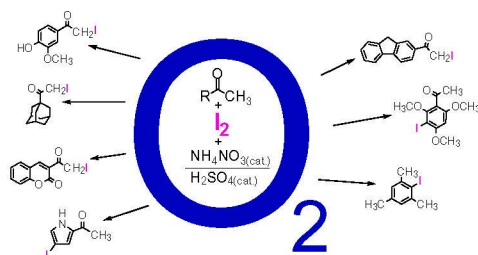
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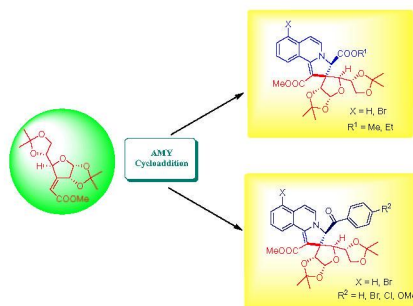
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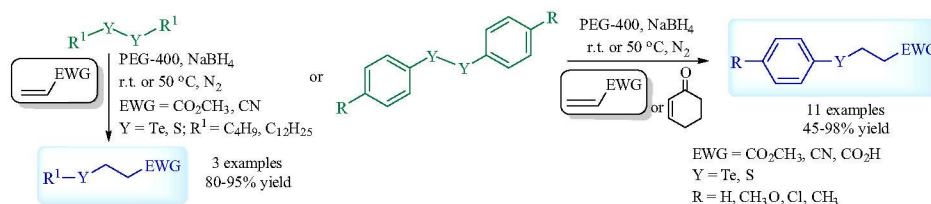
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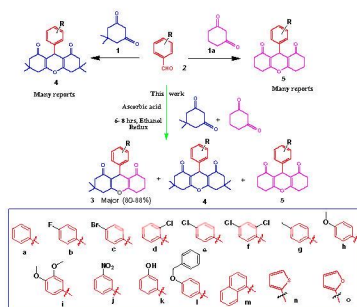
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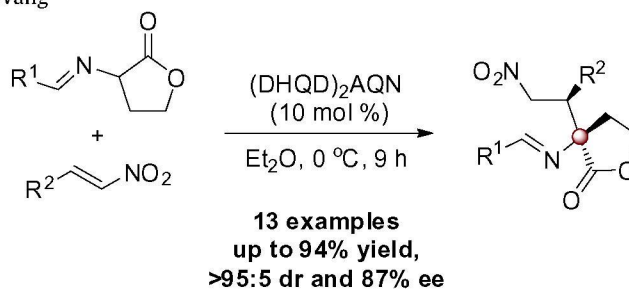
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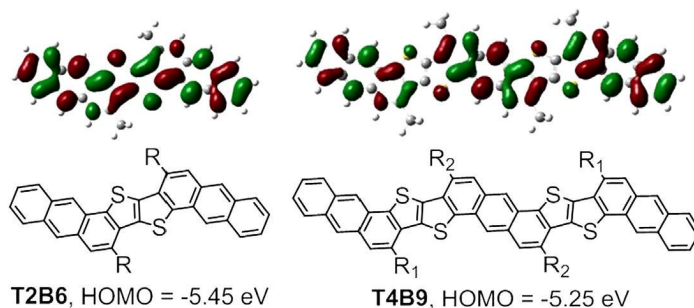
An efficient stereoselective Michael addition reaction of homoserine lactone derived cyclic imino esters to nitroolefins promoted by a bis(cinchona alkaloid) (DHQD)₂AQN was achieved. This catalytic system features a wide substrate scope, furnishing the corresponding products with excellent diastereoselectivity (>95:5 dr) and good enantioselectivity (up to 87% ee) under mild conditions, and the Michael adducts could be easily transformed into highly functionalized spirocyclic γ -butyrolactone-pyrrolidines through a sequential nitro-Mannich reaction.



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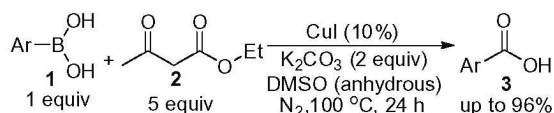
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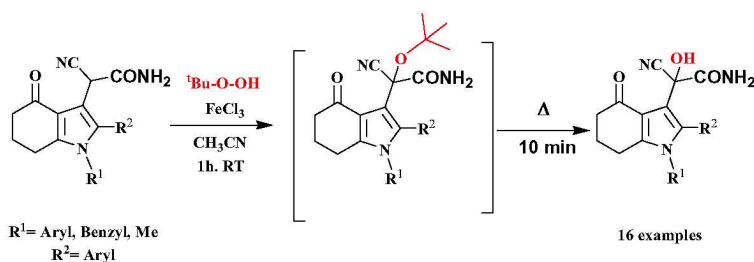
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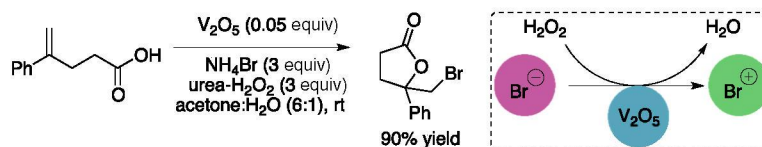
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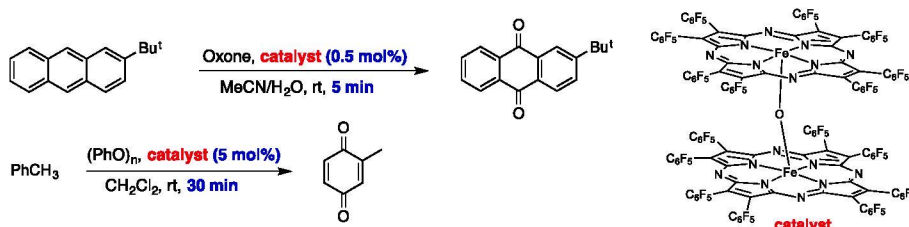
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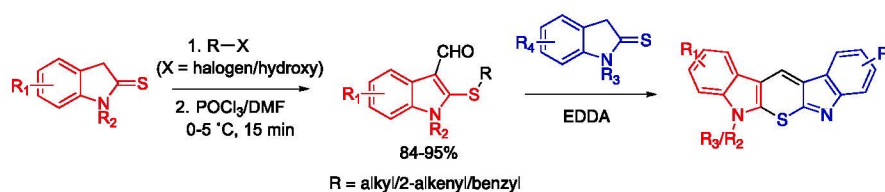
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 Supplementary data available via ScienceDirect

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