



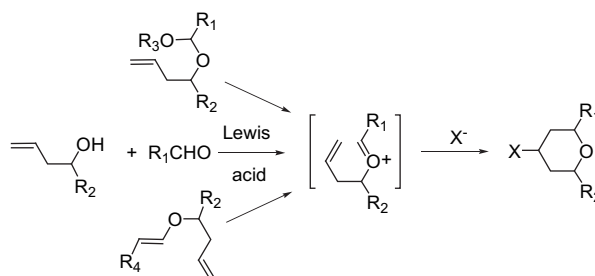
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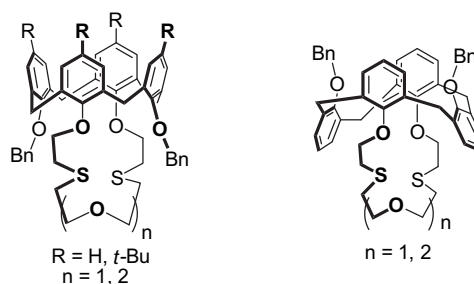
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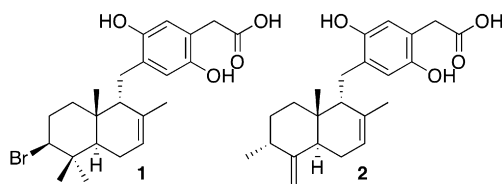
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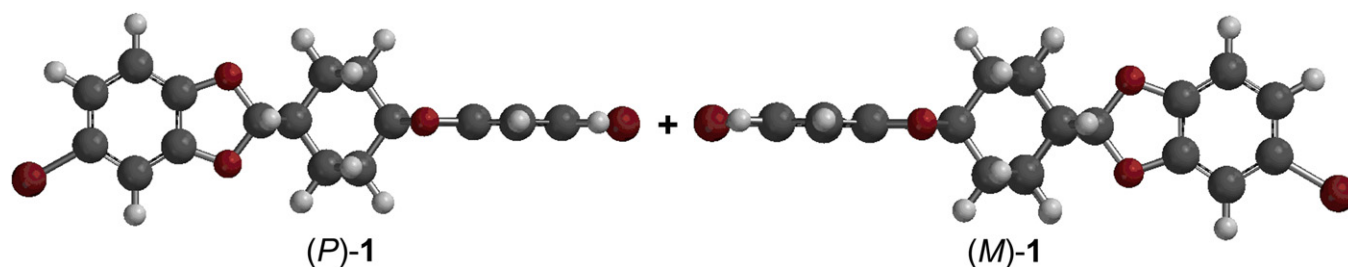
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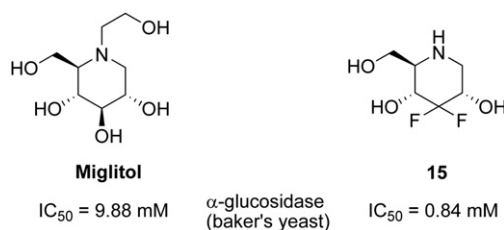
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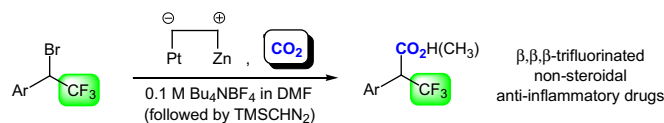
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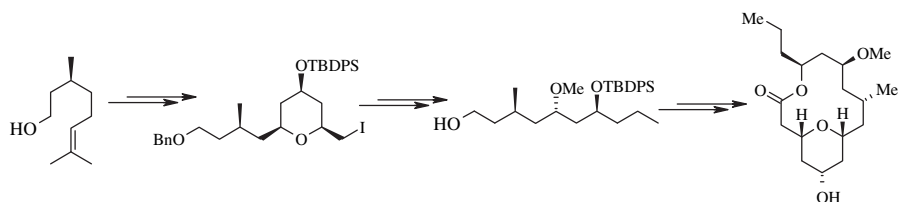
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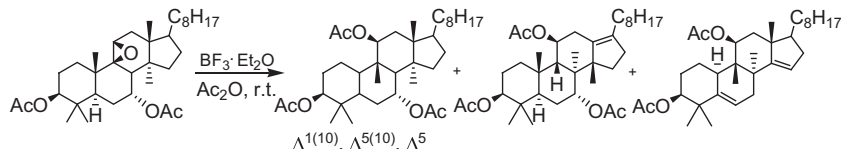
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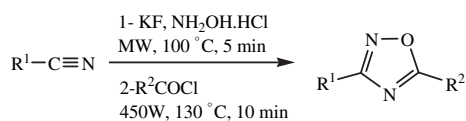
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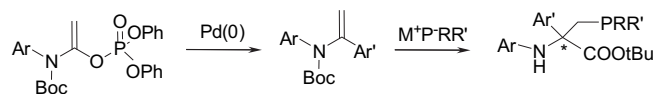
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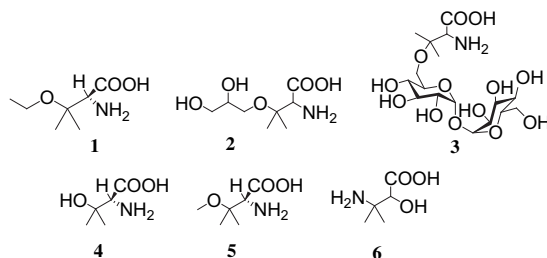
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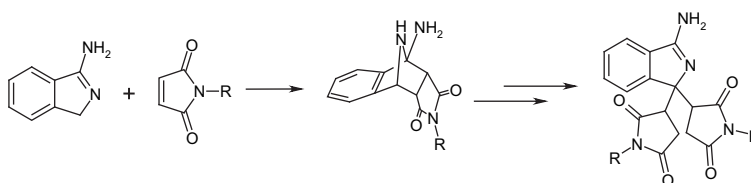
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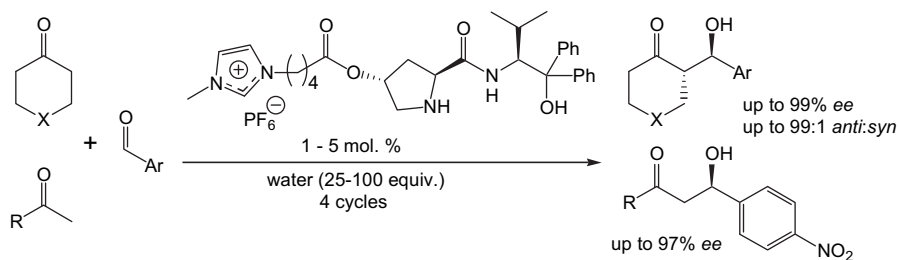
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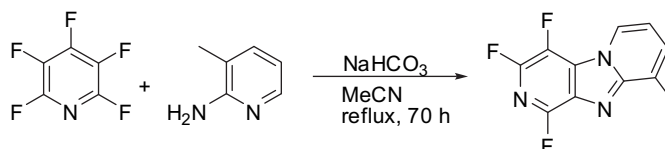
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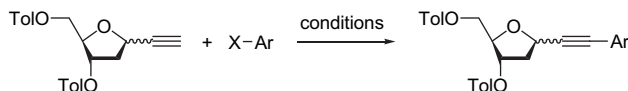
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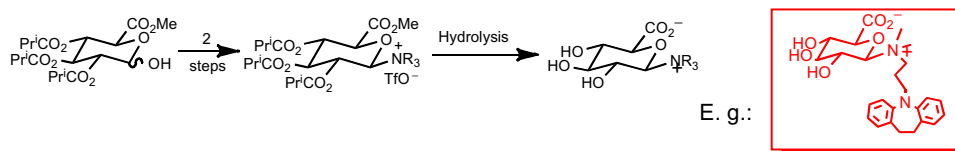
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**A convenient new synthesis of quaternary ammonium glucuronides of drug molecules**

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N-Glucuronides are important metabolites for a variety of drugs containing tertiary amino groups. We now report a new method for their synthesis using a readily prepared glucuronic acid hemiacetal, via glycosylamine formation, quaternisation and controlled hydrolysis. Both linear and cyclic amine examples are presented. We comment on the stability and isolation of both final products and intermediates as these are critical factors for effective synthesis.



*Corresponding author

Supplementary data available via ScienceDirect



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