



## EXAMPLES OF MULTICOMPONENT REACTIONS OF TERPENOPHENOLS

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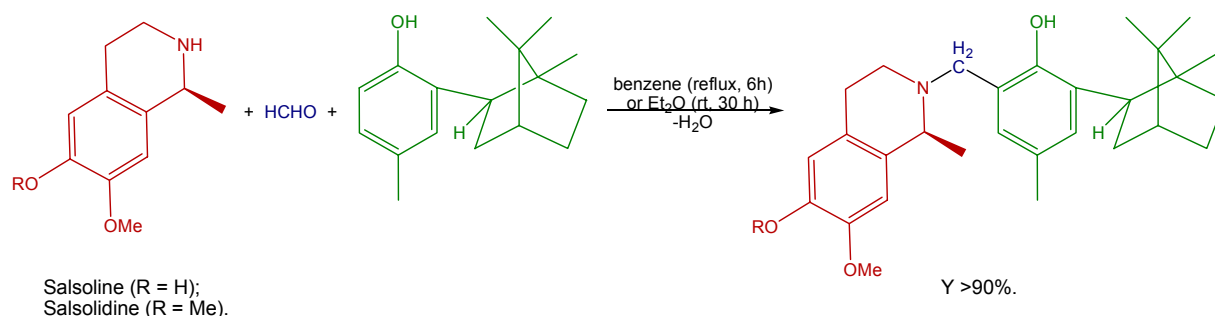
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Multicomponent reactions have attracted considerable attention since they are performed without isolating intermediates during the processes; this reduces time and saves both energy and raw materials. They have benefits over two-component reactions in several aspects including the simplicity of a one-pot procedure, possible structural variations and building up complex molecules [1,2].

The Mannich reaction is a three-component condensation in which a compound containing an active hydrogen atom (“substrate”) is allowed to react with formaldehyde and an NH-amine derivative [3].

In present work we report simple synthesis of new terpenophenols linked with biologically active fragments of alkaloids from isoquinoline group.



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### References:

- [1] *Mendeleev Commun.*, 2007, **17**, 299–300.
- [2] *Multicomponent Reactions*. Ed. by Jieping Zhu, Hugues Bienyame. Wiley, 2005.
- [3] *Mannich Bases. Chemistry and Uses*. M. Tramontini, L. Angiolini. CRC Press, 1994.