

## MECHANOSYNTHESIS OF NAPHTHOL MANNICH BASES

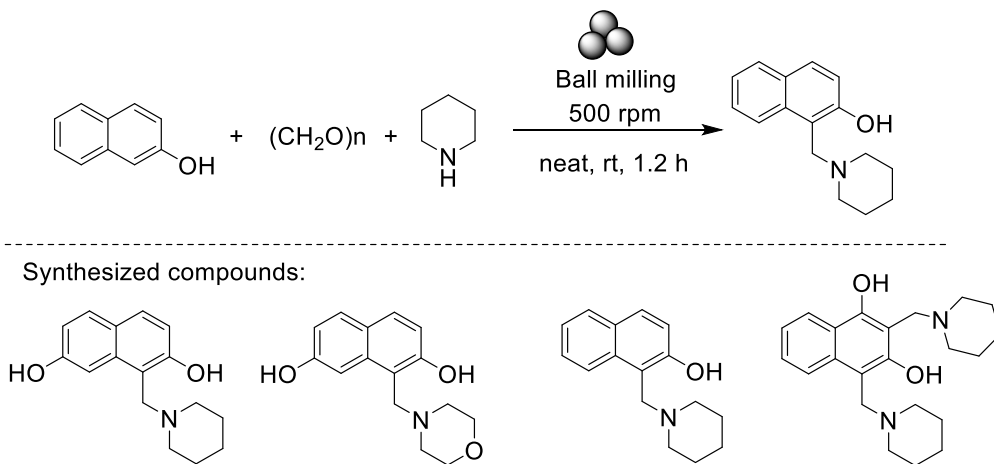
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Nowadays, chemical reactions under ball milling have received massive attention in academia and industry due to their specific advantages like shorter reaction time, usually solvent-free operation, better yield, ambient conditions, and often improved selectivity [1]. On the other hand, chiral Mannich bases of 2-naphthol are mostly popular in metal-mediated and ligand-accelerated catalysis of enantioselective carbon–carbon bond formation. Herein, we are pleased to report a one-pot mechanochemical synthesis of naphthol Mannich Bases via a three-component condensation reaction of  $\beta$ -naphthol, *para*formaldehy and amines under ball milling conditions without using any catalyst and solvent (Scheme 1).



Scheme 1. Mechanochemical synthesis of naphthol Mannich bases

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2. Palmieri. G. A practical o-hydroxybenzylamines promoted enantioselective addition of dialkylzincs to aldehydes with asymmetric amplification // Tetrahedron: Asymmetry. – 2000. – Vol. 11. – P. 3361. DOI: 10.1016/S0957-4166(00)00290-1

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