

# Mild and Convenient Method for Reduction of Carbonyl Compounds with the $\text{NaBH}_4$ /Charcoal System in Wet THF

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The  $\text{NaBH}_4/\text{C}$  (charcoal) system reduces a variety of carbonyl compounds such as aldehydes, ketones, acyloins and  $\alpha$ -diketones to their corresponding alcohols in high to excellent yields. Reduction reactions were carried out in wet THF at r. t. In addition, regioselective 1,2-reduction of  $\alpha,\beta$ -unsaturated aldehydes and ketones was achieved perfectly with this reducing system. By decreasing the amount of aprotic solvent, all reductions took place fast and efficiently under solid-gel condition.

*Key words:* Reduction,  $\text{NaBH}_4$ , Charcoal, Carbonyl Compounds