Greener Modifications in the Stereoselective Synthesis of 2º Alcohols

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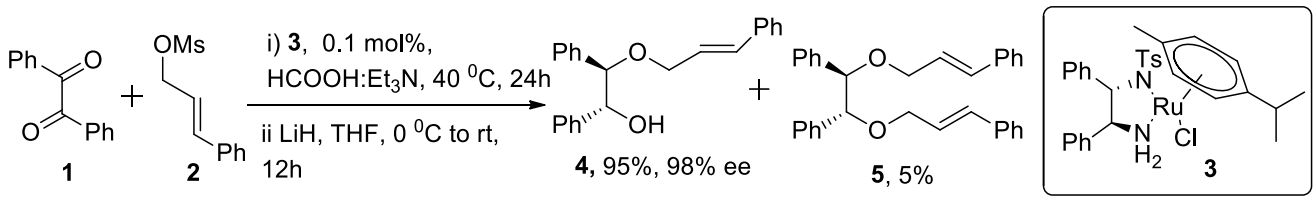
ABSTRACT

Stereoselective synthesis of chiral 2^0 alcohol was demonstrated in this work. LiH was found to be a better option in achieving higher yield and good stereoselectivity in comparision with other bases like NaH and CsH. Both hydrogenation (asymmetric vertion) and ethrification (Williamson reaction) were carried out using greener procedures (One pot synthesis). Generation of side product was minimized using this halogen solvent free greener protocol.



Keywords: Ecofriendly processes, Halogen solvent free processes, Asymmetric synthesis

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