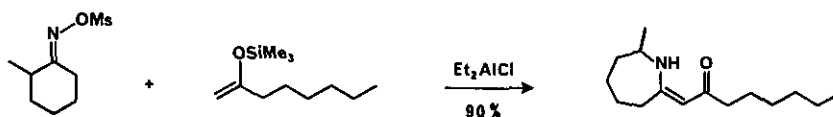


A NEW CONDENSATION OF ENOL SILYL ETHERS WITH OXIME SULFONATES

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A new method for the synthesis of enaminones will be presented which involves a condensation of enol silyl ethers with oxime sulfonates in the presence of organoaluminum reagents. This transformation is accomplished in a regiospecific manner with respect to both substrates. Of all the Lewis acids examined diethylaluminum chloride and ethylaluminum dichloride (2~3 equiv) have proven to be the most efficacious, and other Lewis acids give less satisfactory results.



The versatility of enaminones in synthetic as well as heterocyclic chemistry serves a stimulus for exploration of the potential applications of this methodology. Accordingly, we will demonstrate a new stereoselective approach to γ -amino alcohols by a direct hydrogenation of the enaminones. Thus, the selective hydrogenation of the enaminone **1** leads to the formation of the γ -amino alcohol **2** almost exclusively.

