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Studies into Addition of Grignard Reagents to Conjugated Aldehydes and Ketones

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Poster Presentation P11

STUDIES INTO ADDITION OF GRIGNARD REAGENTS TO CONJUGATED ALDEHYDES AND KETONES

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Although the addition of a Grignard reagent to simple carbonyl compounds is well documented, the corresponding reaction with α , β -unsaturated aldehydes and ketones is not as well understood. The addition of a Grignard reagent to α , β -unsaturated aldehydes and ketones has been investigated. Several parameters such as effect of substrate, choice of Grignard reagent, solvent and temperature will be investigated. In addition the effect of Lewis acids in determining product composition (1,2- vs. 1,4- addition) will be studied. The results of this study will be presented.

