

经由 α -羰基烯酮环二硫代缩醛的取代-环合芳构化及分解反应

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摘要 本文报道了芳香族 α -羰基烯酮环二硫代缩醛与 2-甲基烯丙基Grignard试剂的1,2-加成产物在酸催化下的取代-环合芳构化反应及分解反应. 探讨了亲核试剂体积, 缩醛基结构对取代-环合芳构化反应活性的影响.

关键词 [分解](#) [环化](#) [硫缩醛](#)

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Studies on the substitution-cycloaromatization and decomposition reaction via α -oxo ketene cyclic dithioacetals

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Abstract Addition of the aromatic α -oxo ketene cyclic dithioacetals with methallyl Grignard reagent afforded the carbinols 3. Catalyzed by BF₃·Et₂O, carbinols 3 were converted to the corresponding aromatic ethers 4 when the reaction was performed in alcohols used. While catalyzed by silica gel, the β,γ -unsaturated aromatic ketones 6 were obtained from the decomposition of 3. Some effective factors to the substitution-cycloaromatization reaction, such the volum of R¹ and the structure of dithioacetal group, were examined.

Key words [DECOMPOSITION](#) [CYCLIZATION](#) [MERCAPTAL](#)

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