

Selectivity of the reaction of chalcones with aniline derivatives

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Abstract

Interaction of chalcones with 4-substituted anilines in anhydrous ethanol in the presence of the appropriate amine hydrochloride results in the formation of the products of coordination at the ethylene bond or carbonyl group. The formation of synthetically inaccessible *N*-(1,3-diphenylallylidene) anilines depends on the nature of the substituents in chalcone and arylamine.