

Stereoselective Synthesis of α -Arylalkylamines by Glycosylation-induced Asymmetric Addition of Organometallic Compounds to Imines

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Dedicated to Professor Gerhard Maas on the occasion of his 60th birthday

Activation of imines of aromatic aldehydes by *N*-glycosylation with *O*-pivaloyl-galactopyranosyl bromide (pivalobromogalactose) and subsequent addition of organotin, organolithium, Grignard, or organozinc reagents afforded α -arylalkylamines with moderate to high diastereoselectivity.

Key words: Iminium Salts, Galactosylamine, Carbohydrate Auxiliaries, Arylalkylamines, Organometallic Reagents