

"Use of Cyclic Allylic Bromides in the Zinc-Mediated Aqueous Barbier-Grignard Reaction." Breton, G. W.; Shugart, J. H.; Hughey, C. A.; Conrad, B. P.; Perala, S. M. *Molecules*, 2001, 6, 655-662.

Abstract: The zinc-mediated aqueous Barbier-Grignard reaction of cyclic allylic bromide substrates with various aldehydes and ketones to afford homoallylic alcohols was investigated. Aromatic aldehydes and ketones afforded adducts in good yields (66-90%) and with good diastereoselectivities. Non-aromatic aldehydes also reacted well under these conditions, but only poor yields were obtained with non-aromatic ketones. Regioselectivity was high when some substituted cyclic allylic bromides were investigated.