

Catalytic And Selective Synthesis Of Lactones And Bis-Lactones
By
Palladium Acetate/1,4-Bis(Diphenylphosphino)Butane System
Under Syngas
Conditions

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Summary

The combination of palladium acetate and 1,4-bis(diphenylphosphino)butane (dppb) proved once again to form an effective catalytic system for the selective cyclocarbonylation of 2-allyl phenols and other bis-2-allyl phenol systems such as steroids and other important compounds. The reactions afforded new important five-, six- and seven-membered ring lactones and bis-lactones. The seven-membered ring lactones were predominant in most reactions. (C) 2003 Elsevier Science B.V. All rights reserved.

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