



IP and IC Bond Forming Reactions Based on Carbostyrils and Thioamide

By NUZHAT ARSHAD

VDM Verlag. Paperback. Book Condition: New. Paperback. 92 pages. Dimensions: 8.7in. x 5.9in. x 0.2in. This guide is based on the synthesis of bisquinolone based phosphine ligands and desulfurative carbon-carbon bond forming reactions. It is divided into 3 chapters which include first an overview about heterocyclic BINAP analogues. In this chapter, survey of developing atropisomeric biheteroaryl backbone-containing bisphosphines, their designing concept, synthetic approaches and some of their important applications are discussed. Second, efficient synthesis of functionalized novel bisquinolone based mono- and diphosphine ligands of the aza-BINAP type. Preliminary studies confirm that these novel types of aza-BINAP phosphines containing an enamide moiety incorporated into the heteroaryl ring are indeed useful ligands in transition metal-catalyzed transformations. Third, palladium(0)-catalyzed, copper(I)-mediated desulfurative CC cross-coupling protocol (LiebeskindSrogl type) of cyclic thioamides and thioureas with alkenylboronic acids, vinyl- and (het)arylstannanes, and arylsiloxanes is performed. These CC cross-couplings are a valuable extension of the traditional LiebeskindSrogl reactions utilizing thioethers as electrophilic reagents. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.



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