



Science of Synthesis Cross Coupling and Heck-Type Reactions 2

Carbon-Heteroatom Cross Coupling and C-C Cross Couplings of Acidic C-H Nucleophiles
Workbench Edition

Author : Wolfe

Edition : 1

Year : 2013

Pages : 742

ISBN : 9783131728814

Price : \$400.00

Description

In *Science of Synthesis: Cross Coupling and Heck-Type Reactions*, expert authors present and discuss the best and most reliable methods currently available for the formation of new carbon-carbon and carbon-heteroatom bonds using these reactions, highlighted with representative experimental procedures. Together, the three volumes of Cross Coupling and Heck-Type Reactions provide an extensive overview of the current state of the art in this field of central importance in modern chemistry, and are an invaluable resource for the practicing synthetic organic chemist.

This volume is focused on the formation of carbon-heteroatom bonds and carbon-carbon bonds of acidic C-H nucleophiles. The chapters are intended to provide the reader with a practical guide to the most efficient, reliable, and useful metal-catalyzed cross-coupling reactions that generate C-N, C-P, C-O, C-S, C-B, C-Si, C-CN, and C-F bonds, and C-C bonds adjacent to carbonyl functional groups. The most up-to-date and modern methods are included, including those that facilitate replacement of typically unreactive C-H bonds with carbon-heteroatom bonds.