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Nota di contenuto	Front Cover; Handbook of Palladium-Catalyzed Organic Reactions: Synthetic Aspects and Catalytic Cycles; Copyright Page; Table of Contents; Foreword; Abbreviations; I- Introduction; II- Graphical abstracts of reaction numbers (RXN); III- Reactions catalysed by palladium complexes; RXN1 Cross-Coupling of Organometallics with RX Derivatives; RXN2 Cross-Coupling of Organometallics with RCOX Derivatives; RXN3 Cross-Coupling of Siloxycyclopropanes with RX and RCOX Derivatives; RXN4 Cross-Coupling of Terminal Alkynes with RX Derivatives; RXN5 Intermolecular HECK Reaction RXN6 Intramolecular HECK Reaction RXN7 Intramolecular Coupling of Di (Vinyl Halides); RXN8 Tandem HECK-Anion Capture Process of Alkenes, Alkynes, Allenes and Dienes; RXN9 Tandem HECK-Anion Capture Process of Norbornene and Related Compounds; RXN10 Tandem Arylsulfonation-Cyclization Process; RXN11 Tandem Cyclization-Anion Capture (-Carbonylation) Process of Alkenes, Allenes and Alkynes; RXN12 Tandem Cyclization-Anion-Capture Process of Ene-Vinyl, Ene-

Aryl and Ene-Alkyl Halides; RXN13 Tandem Cyclization-Anion Capture (-Carbonylation) Process of Yne-Vinyl and Yne-Aryl Halides  
RXN14 Hydroarylation and Hydrovinylation of Alkenes and Alkynes  
RXN15 Reduction of Alkenes; RXN16 Semihydrogenation of Alkynes and 1,3-Dienes; RXN17 Hydroboration, Hydrogermylation, Hydrosilylation and Hydrostannation of Alkynes, Allenes, Dienes and Enynes; RXN18 Hydroselenation of Alkynes; RXN19 1,4-Disilylation of Conjugated Enones; RXN20 Hydrocarboxylation, Hydrocarboalkoxylation and Hydrocarboamination of Alkenes and Alkynes; RXN21 Tandem Carbonylation-Arylation with Alkynes; RXN22 1,2-Dimetallation of Alkynes and Alkenes and Related Reactions; RXN23 1,2-Dimetallation of Isonitriles  
RXN24 1,2-Dimetallation of Allenes or 1,3-Dienes  
RXN25 Coupling of Aryl Derivatives with Alkenes Involving a Pd(II) Catalyst; RXN26 Homocoupling of Aryl and Vinyl Derivatives; RXN27 Codimerization of Alkynes; RXN28 Codimerization of Terminal Alkynes with Allenes; RXN29 Codimerization of Alkynes and Allyl Halides; RXN30 Cyclopropanation of Alkenes and 1,3-Dienes by Diazomethane; RXN31 Rearrangement of  $\alpha$ -Hydroxy Diazo Compounds; RXN32 Substitution, Addition and Elimination on  $\alpha$ -Allyl Substrates; RXN33 [3,3]-Sigmatropic Rearrangement and [1,3]-Shift on Allylic Derivatives  
RXN34 1,3-Diene Monoepoxide Rearrangement  
RXN35 Ring Extension of Cyclobutane Derivatives; RXN36 [3+2], [3+4], [3+6], [1+2] Cycloadditions; RXN37 Intramolecular Ene-Like Reactions; RXN38 Cyclization of Hexatrienolate Derivatives; RXN39 Amination or Amidation of Alkenes; RXN40 Alkoxylation of Alkenes and Alkynes; RXN41 Acetalization of Alkenes; RXN42 Allylic Acyloxylation of Cycloalkenes; RXN43 Tandem Acyloxylation-Cyclization of 1,5-Dienes; RXN44 Tandem Acyloxychlorination-Cyclization of 1,6-Dienes; RXN45 1,4-Acyloxychlorination of 1,3-Dienes  
RXN46 1,4-Diacyloxylation of 1,3-Dienes and Related Reactions

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### Sommario/riassunto

This comprehensive handbook will be an indispensable research tool for chemists. Handbook of Palladium Catalysed Organic Reactions provides a synoptic description of the main types of reactions which are catalyzed by Palladium and the mechanism which causes these reactions. Each reaction is presented in graphical form and classified according to the type of transformation involved. Other books covering the use of Palladium complexes as catalysts have been written, but the Handbook is the only to offer a synoptic view, showing the catalytic cycle of each reaction. This complete

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