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Nota di contenuto	Catalysts for Fine Chemical Synthesis Volume 3; Contents; Series Preface; Preface to Volume 3; Abbreviations; List of Chemical Names Used; 1 Considerations of Industrial Fine Chemical Synthesis; 1.1 Introduction; 1.2 Types of processes - flow charts; 1.2.1 Classical process; 1.2.2 General catalytic process; 1.3 Costs associated with use of catalysts; 1.3.1 Catalyst fabrication costs; 1.3.2 Intellectual property right (IPR) issues; 1.3.3 Separation costs; 1.3.4 Pre-reaction/immobilisation; 1.3.5 Post reaction - separation; 1.3.6 Industrial examples; References 2 Alkylation and Allylation Adjacent to a Carbonyl Group 2.1 The RuH(2)(CO)(PPh(3))(3)-catalysed alkylation, alkenylation and arylation of aromatic ketones via carbon-hydrogen bond cleavage; 2.1.1 Preparation of carbonyldihydrotris(triphenylphosphine) ruthenium; 2.1.2 Synthesis of 8-(2-triethoxysilanylethyl)-3,4-dihydro-2H-naphthalen-1-one; 2.1.3 Synthesis of 8-(1-methyl-2-

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### Sommario/riassunto

The chemist has a vast range of high-tech catalysts to use when working in fine chemical synthesis but the catalysts are generally hard to use and require both time, skill and experience to handle properly. The Catalysts for Fine Chemical Synthesis series contains tested and validated procedures which provide a unique range resources for chemists who work in organic chemistry. "... of great value to synthetic organic chemists..." (The Chemists, Summer 2003) Volume 3 in the series focuses on catalysts for carbon-carbon bond formation and presents practical and detailed prot

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