

Organometallics as catalysts in the fine chemical industry

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Abstrak

This book about Pd-catalyzed coupling reactions, applications of rhodium-catalyzed hydroformylation in the pharmaceutical, agrochemical and fragrance industries, ruthenium-catalyzed selective hydrogenation for flavor and fragrance applications, asymmetric hydrogenation, case study : sequential Pd-catalyzed cross-coupling reactions : challenges on scale-up, pilot plant scale synthesis of an aryl-indole - scale up of a suzuki coupling, development of a mild and robust method for palladium catalysed cyanation on large scale, and application of ring closing metathesis strategy to the synthesis of vaniprevir (MK-7009), a 20-membered macrocyclic HCV protease inhibitor.