

alkylation, arylation, dealkylation, dearylation, C-acylation, olefination

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Catalytic Arylation of Carbon–Carbon Double Bond Followed by N- or O-Cyclization. — Palladium(0), obtained in situ under phase-transfer conditions, oxidatively adds to o-hydroxy- or o-amino substituted aryl iodides (II). The intermediates formed insert strained or rigid cycloolefins like norbornene (I), norbornadiene (IV), or bicyclooctene (VI) into the Pd–C bond and close a ring between the carbon and the ortho-functional group to afford fused dihydrofuran or pyrrole derivatives (III), (V), and (VII). — (CATELLANI, M.; DEL RIO, A.; *Izv. Akad. Nauk, Ser. Khim.* (1998) 5, 957-960; *Dip. Chim. Org. Ind.*, Univ. Parma, I-43100 Parma, Italy; RU)

