

Synthesis of bislactones catalyzed by a Pd-dppb system.

Vasapollo, Giuseppe; Scarpa, Antonio; Mele, Giuseppe; Ronzini, Ludovico; El Ali, Bassam.
Dipartimento di Ingegneria dell'Innovazione, Università di Lecce, Lecce, Italy.
Applied Organometallic Chemistry (2000), 14(11), 739-743.

Abstract

Palladium acetate [Pd(OAc)₂] and 1,4-bis(diphenylphosphino)butane (dppb) catalyze regioselective cyclocarbonylation of bisallyl derivs. of bisphenols affording seven-membered ring bislactones in good yields. Double cyclocarbonylation reactions carried out using different conditions afforded bislactones with two different ring sizes (7-6 and 7-5-membered).