

Use of formic or oxalic acid for the regioselective hydrocarboxylation of alkenes and alkynes catalyzed by palladium/carbon and 1,4-bis(diphenylphosphino)butane.

El Ali, B.; Vasapollo, G.; Alper, H. Ottawa-Carleton Chem. Inst., Univ. Ottawa, Ottawa, ON, Can. Journal of Organic Chemistry (1993), 58(17), 4739-41.

Abstract

Alkenes and alkynes react with carbon monoxide and either formic acid or oxalic acid catalyzed by Pd/C and 1,4-bis(diphenylphosphino)butane, affording straight chain carboxylic acids in good regioselectivity.