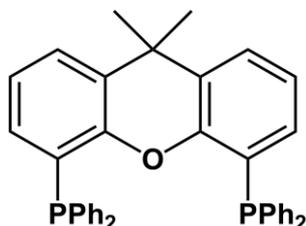


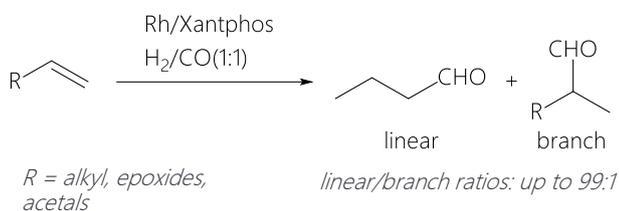
4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene

CAS number: 161265-03-8 Molecular weight: 578.62 $C_{39}H_{32}OP_2$ Alternative name: Xantphos

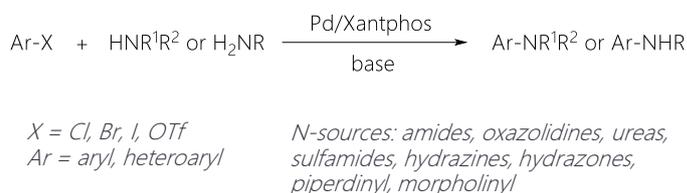


Xantphos is a commonly used double-tooth ligand that can be used to catalyze various chemical reactions, including diene dehydrogenation, hydrogenation of alcohols, C-C bonds, C-N bond formation, etc.

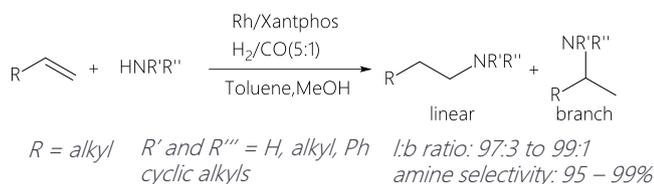
Hydroformylation of olefins



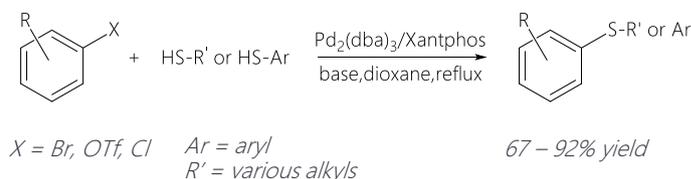
Palladium-catalyzed amidation of aryl halides and triflates



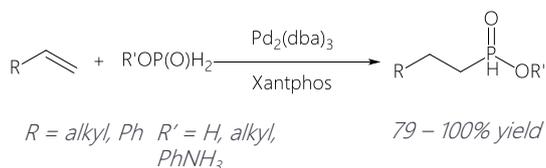
Hydro aminomethylation of olefins



Coupling of aryl halides/triflates and thiols



Hydro phosphorylation of alkenes



α -Arylation of ketones

