

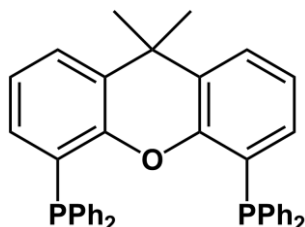
4,5-双二苯基膦-9,9-二甲基氧杂蒽

CAS号: 161265-03-8

分子量: 578.62

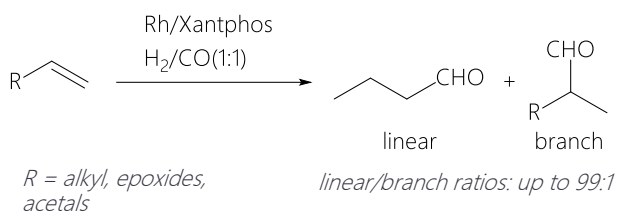
分子式: $C_{39}H_{32}OP_2$

别称: Xantphos

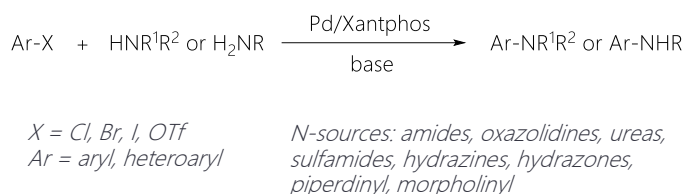


Xantphos是一种常用的双齿配体，可以用来催化各种化学反应，包括联烯脱氢反应，醇的氢解反应，C-C键、C-N键的形成等。

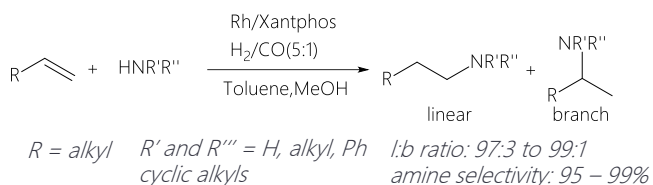
烯烃的加氢甲酰化反应



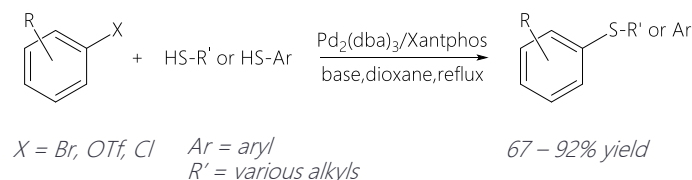
钯催化芳基卤化物和三氟甲磺酸酯酰胺化反应



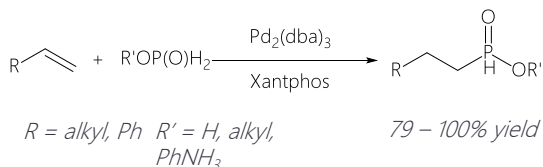
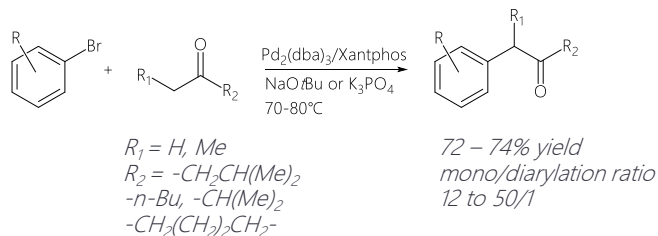
烯烃的氢氨甲基化



芳基卤化物/三氟甲磺酸酯和硫醇的偶联

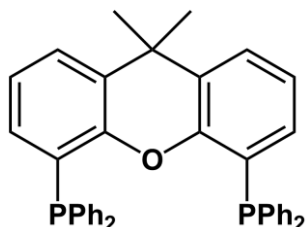


烯烃的氢化磷酸化

酮的 α -芳基化反应

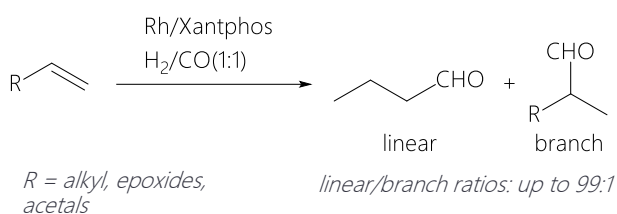
4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene

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

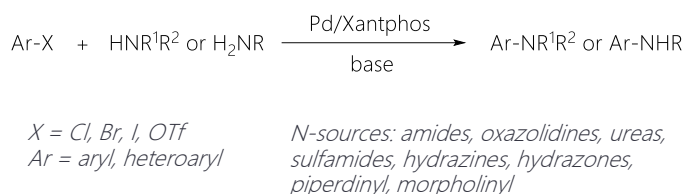


Xantphos is a commonly used double-tooth ligand that can be used to catalyze various chemical reactions, including diene dehydrogenation, hydrogenation of alcohols, C-C bonds, C-N bond formation, etc.

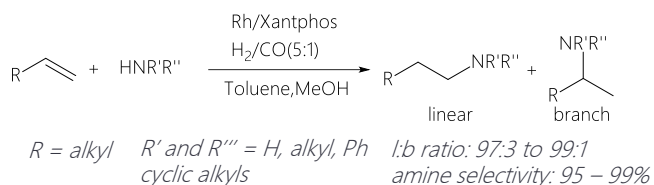
Hydroformylation of olefins



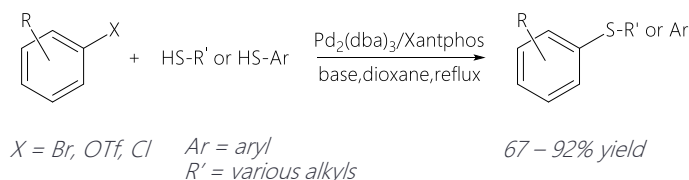
Palladium-catalyzed amidation of aryl halides and triflates



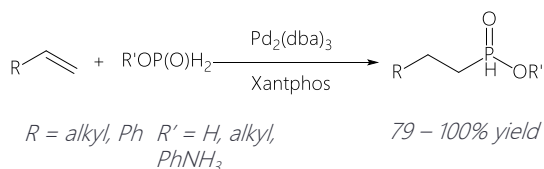
Hydro aminomethylation of olefins



Coupling of aryl halides/triflates and thiols



Hydro phosphorylation of alkenes



α -Arylation of ketones

