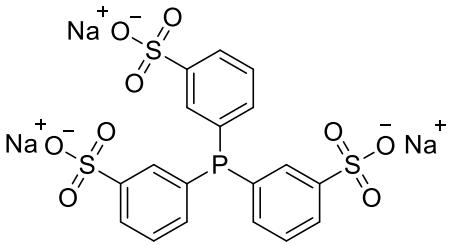
Strem Chemicals, Inc www.strem.com

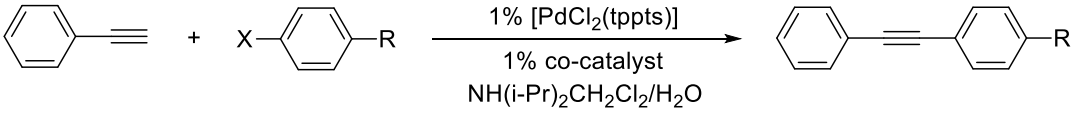
Catalog # 15-8013 Tris(3-sulfonatophenyl)phosphine hydrate, sodium salt (<5% oxide) TPPTS · Na_3



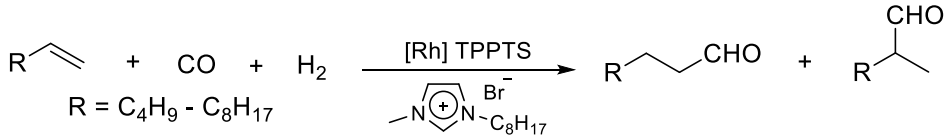
Air-stable, water-soluble phosphine ligand generally used for coupling and hydroformylation reactions

Technical Notes:

1. Gold compounds as efficient co-catalysts in palladium-catalyzed alkynylation.
2. Aqueous-biphasic hydroformylation of higher alkenes promoted by alkylimidazolium salts.
3. Arylation of Phe and Tyr side chains of unprotected peptides by a Suzuki-Miyaura reaction in water.
4. Sterically demanding, sulfonated, triarylphosphines: Application to Palladium-Catalyzed Cross-coupling steric and electronic properties, and coordination chemistry.
5. Hydrogen generation: catalytic acceleration and control by light.
6. Postsynthetic guanine arylation of DNA by Suzuki-Miyaura Cross-Coupling.
7. Experimental and kinetic modeling studies on the biphasic hydrogenation of levulinic acid to γ-valerolactone using a homogeneous water-soluble Ru–(TPPTS) catalyst.
8. Ruthenium-catalyzed [2+2+2] cycloaddition of diynes with nitriles in pure water.
9. Hydroesterification of styrene derivatives catalyzed by an acidic resin supporting palladium complexes.
10. Chemical synthesis of Cys-Containing protein via chemoselective deprotection with different palladium complexes.



Tech. Note (1)
Ref. (1)



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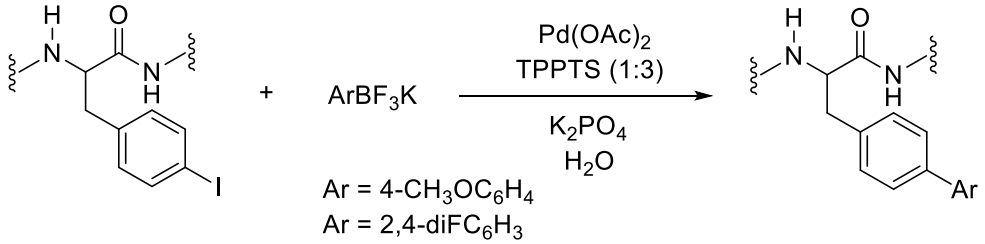

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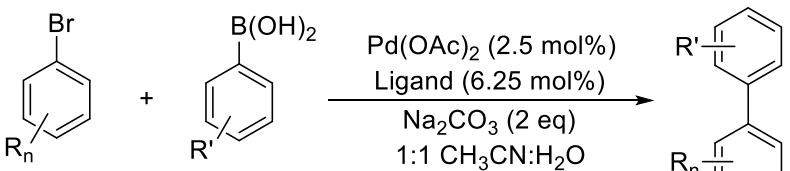
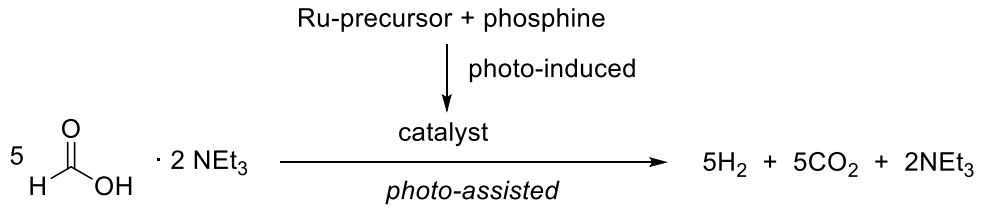


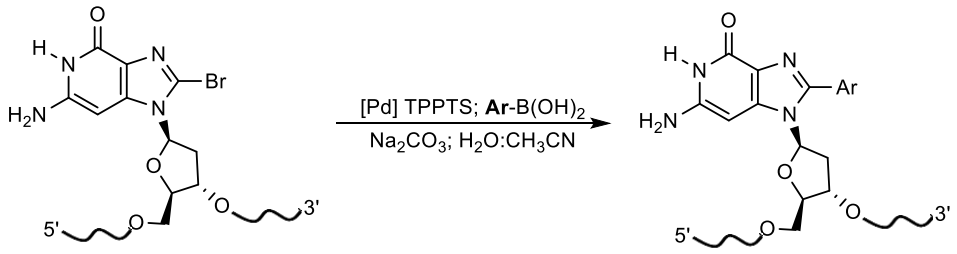
R = 4-Ac; 4-Me; 4-OMe;
2-Me-4-OMe; 2,6-Me_2
R' = H; 4-F; 4-MeO; 2-Me

Tech. Note (4)
Ref. (4)



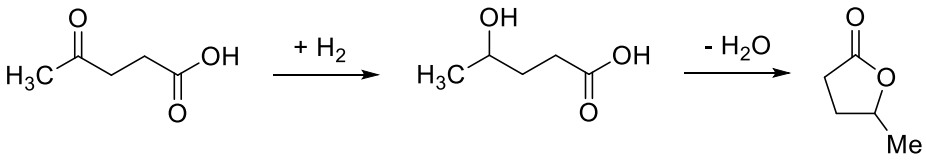
Light-accelerated hydrogen generation from formate

Tech. Note (5)
Ref. (5)

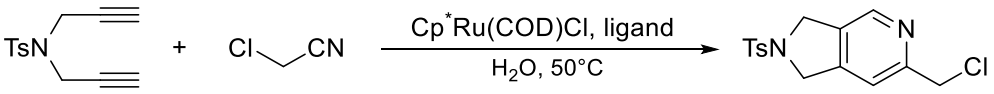


Ar = Ph; *p*-OBnPh; *p*-OPh; *o*-OHPh; 2-Benzothiophene

Tech. Note (6)
Ref. (6)



Tech. Note (7)
Ref. (7)



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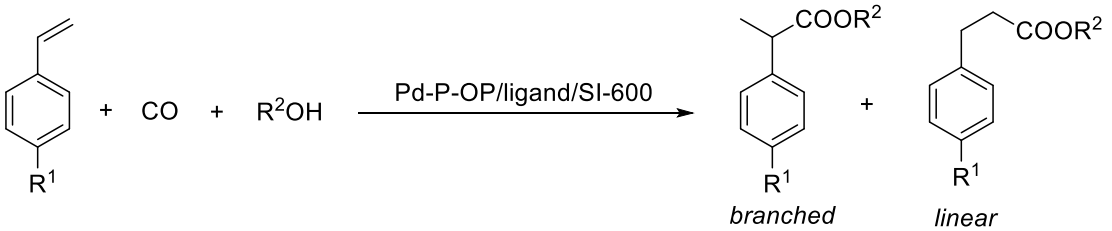
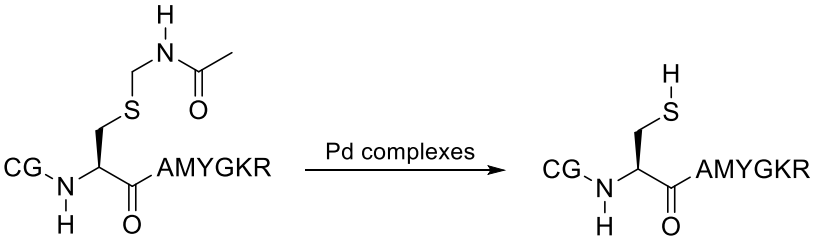


R^1 = H, CH_3, $C(CH_3)_3$

R^2 = CH_3, CH_3CH_2, $CH(CH_3)_2$, $CH_3CH_2CH_2$

Tech. Note (9)
Ref. (9)



Tech. Note (10)
Ref. (10)

References:

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