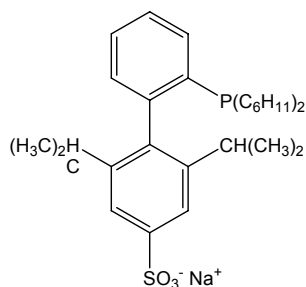


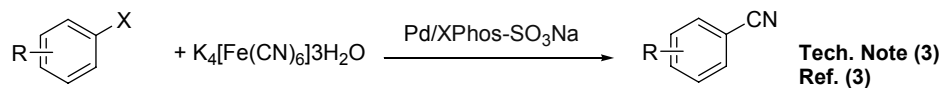
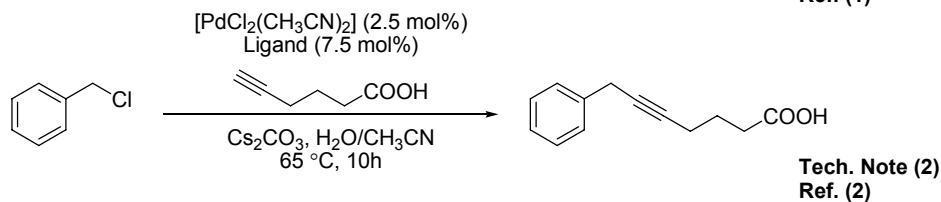
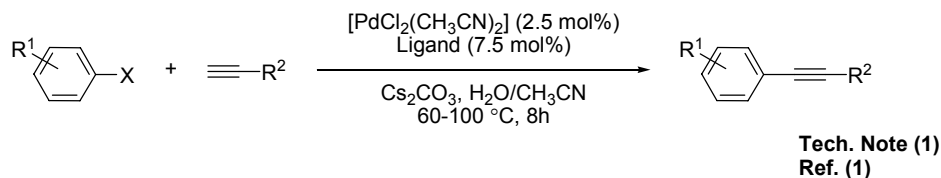
Catalog #15-1135 2'-Dicyclohexylphosphino-2,6-di-*i*-propyl-4-sulfonato-1,1'-biphenyl hydrate sodium salt (XPhos-SO₃Na)



Note: Buchwald Biaryl Phosphine Ligand Kit component. Patents: US 6,395,916, US 6,307,087.

Technical Notes:

1. Water soluble catalyst for Sonogashira coupling reactions
2. Water soluble catalyst for coupling of benzyl chloride and terminal alkynes.
3. Water soluble ligand for cyanation of aryl chlorides and aryl sulfonates with potassium ferrocyanide.



References:

1. *Angew. Chem. Int. Ed.*, **2005**, 44, 6173.
2. *Synlett.*, **2006**, 18, 2941.
3. *Catal. Lett.*, **2010**, 139, 56.