Technical Notes:
1. Ligand used in the cobalt-catalyzed alkenylzincation of unfunctionalized alkynes.
2. Ligand used in the cobalt-catalyzed alkylboration of alkenes.
3. Ligand used in the palladium-catalyzed N-alkylation of amines using primary and secondary alcohols.
4. Ligand used in the palladium-catalyzed methylation of alkynyl C(sp)-H bonds with dimethyl sulfonium ylides.

References: