

Catalog # 15-5181 (S)-(-)-7,7'-Bis[di(4-methylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (S)-Tol-SDP

Note: Spiro Bisphosphine Ligand Kit component.

Technical Notes:

1. Ligands used for the ruthenium-catalyzed hydrogenation of simple and cyclic ketones with high activity and enantioselectivity.
2. Ligands used for palladium-catalyzed asymmetric allylic alkylations.

References:

1. *J. Am. Chem. Soc.*, **2003**, 125, 4404.
2. *J. Org. Chem.*, **2005**, 70, 2967.
3. *Adv. Synth. Catal.*, **2004**, 346, 625.