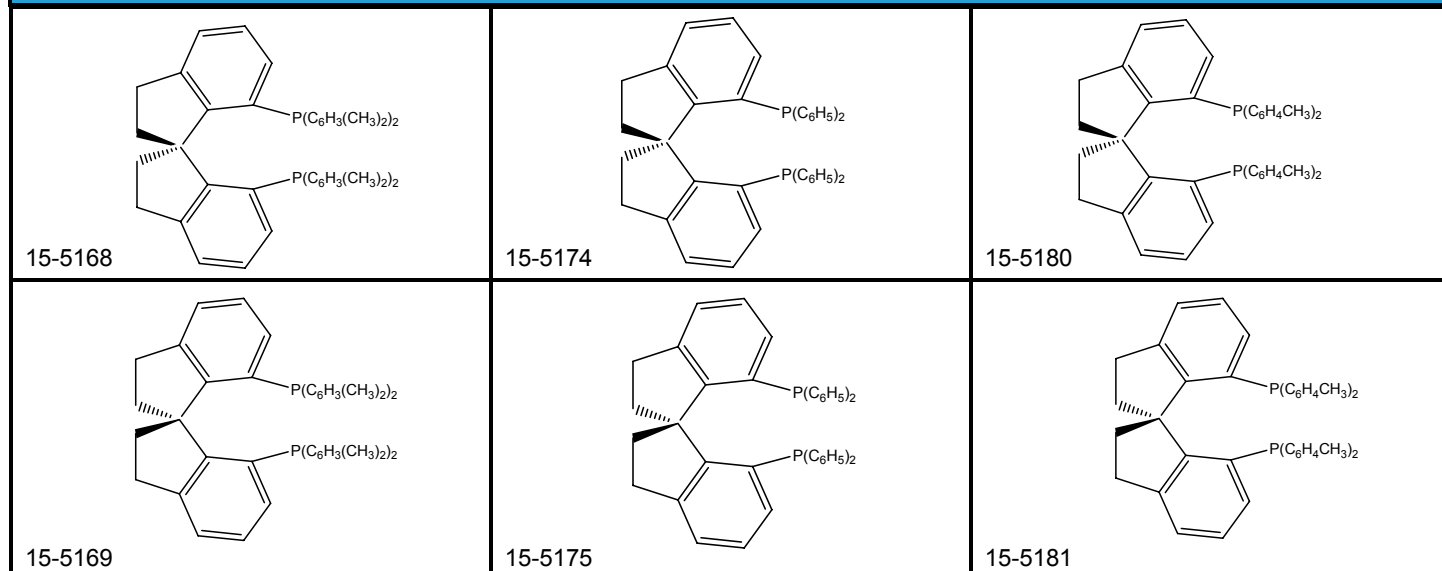


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96-0060 Spiro Bisphosphine Ligand Kit - for asymmetric catalytic hydrogenations and other transformations

1 kit

Contains a 25mg unit of each of the items listed below.
Components available for individual sale.

15-5168	(R)-(+)-7,7'-Bis[di(3,5-dimethylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (R)-Xyl-SDP	25mg
		100mg
		500mg
Technical Note: See 15-5174.		
15-5169	(S)-(-)-7,7'-Bis[di(3,5-dimethylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (S)-Xyl-SDP [528521-89-3]	25mg
		100mg
		500mg
Technical Note: See 15-5174.		
15-5180	(R)-(+)-7,7'-Bis[di(3-methylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (R)-Tol-SDP [528521-87-1]	25mg
		100mg
		500mg
Technical Note: See 15-5174.		
15-5181	(S)-(-)-7,7'-Bis[di(4-methylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (S)-Tol-SDP [817176-80-0]	25mg
		100mg
		500mg
Technical Note: See 15-5174.		
15-5174	(R)-(+)-7,7'-Bis(diphenylphosphino)-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (R)-SDP	25mg
		100mg
		500mg
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. <i>J. Am. Chem. Soc.</i> , 2003 , 125, 4404.		
2. <i>J. Org. Chem.</i> , 2005 , 70, 2967.		
3. <i>Adv. Synth. Catal.</i> , 2004 , 346, 625.		
15-5175	(S)-(-)-7,7'-Bis(diphenylphosphino)-2,2',3,3'-tetrahydro-1,1'-spirobiindane, min. 97% (S)-SDP [528521-86-0]	100mg
		500mg
Technical Note: See 15-5174.		

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