

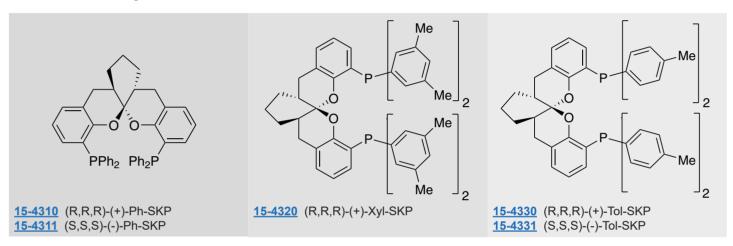


# SKP Ligand Kit: Catalog # 96-2310

For asymmetric-allylic amination and cyclopropanation

Components available for individual sale.

Contains the following:



15-4310 (+)-1,13-Bis(diphenyl)phosphino-(5aR,8aR,14aR)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano [3,2-d]xanthene, 97% (R,R,R)-(+)-Ph-SKP (1360823-43-3)

 $C_{44}H_{38}O_{2}P_{2}$ ; FW: 660.72; white solid; m.p. 101-103°

air sensitive

Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5. SKP Ligand Kit component

#### Technical Notes:

- $1. \quad \hbox{Efficient ligand for the Au(I)-catalyzed, highly stereoselective, olefin cyclopropanation of diazooxindoles.}$
- 2. Palladium-catalyzed asymmetric allylic amination of Morita-Baylis-Hillman adducts. Exceptionally high efficiency and new mechanism.
- 3. See also 15-4320.

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25mg

100mg

#### References:

- 1. J. Am. Chem. Soc., 2013, 135, 8197.
- 2. J. Am. Chem. Soc., 2014, 136, 405.
- 3. Angew. Chem., Int. Ed. 2012, 51, 936.

### 15-4311 (-)-1,13-Bis(diphenyl)phosphino-(5aS,8aS,14aS)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano [3,2-d]xanthene, 97% (S,S,S)-(-)-Ph-SKP (1439556-82-7)

25mg 100mg

 $C_{44}H_{38}O_{2}P_{2}$ ; FW: 660.72; white solid; m.p. 101-103°

air sensitive

Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5. SKP Ligand Kit component

#### Technical Note:

1. See 15-4310 (page 1)

## 15-4320 (+)-1,13-Bis[di(3,5-dimethylphenyl)phosphino]-(5aR,8aR,14aR)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano[3,2-d]xanthene, 97% (R,R,R)-(+)-Xyl-SKP (1429939-35-4)

25mg 100mg

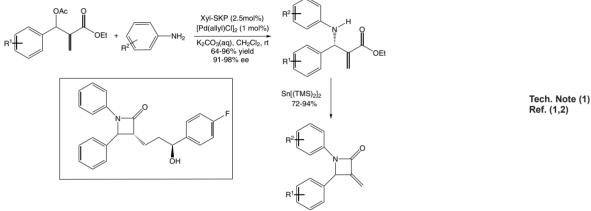
C<sub>52</sub>H<sub>54</sub>O<sub>2</sub>P<sub>2</sub>; FW: 772.93; white solid; m.p. 102-103°

air sensitive

Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5. SKP Ligand Kit component.

#### Technical Notes:

- 1. Efficient ligand for the palladium-catalyzed, asymmetric allylic amination of racemic Morita-Baylis-Hillman adducts.
- 2. See also 15-4311.



#### References:

- 1. Angew. Chem. Int. Ed., 2012, 51, 9276.
- 2. Angew. Chem. Int. Ed., 2012, 51, 936.

15-4330 (+)-1,13-Bis[di(4-methylphenyl)phosphino]-(5aR,8aR,14aR)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano[3,2-d]xanthene, 97% (R,R,R)-(+)-Tol-SKP (1429939-32-1)

25mg 100mg

C<sub>48</sub>H<sub>46</sub>O<sub>2</sub>P<sub>2</sub>; FW: 716.83; white solid; m.p. 90-92°

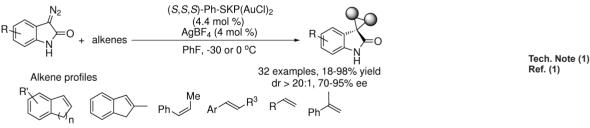
air sensitive

Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5. SKP Ligand Kit

component.

#### Technical Notes:

- 1. Efficient ligand for the Au(I)-catalyzed, highly stereoselective, olefin cyclopropanation of diazooxindoles.
- 2. See also 15-4320.



#### References:

- 1. J. Am. Chem. Soc., 2013, 135, 8197.
- 2. Angew. Chem., Int. Ed. 2012, 51, 936.

### 15-4331 (-)-1,13-Bis[di(4-methylphenyl)phosphino]-(5aS,8aS,14aS)-5a,6,7,8,8a,9-hexahydro-5H-[1]benzopyrano[3,2-d]xanthene, 97% (S,S,S)-(-)-Tol-SKP (1548897-80-8)

25mg 100mg

 $C_{48}H_{46}O_2P_2$ ; FW: 716.83; white pwdr.; m.p. 90-92°

air sensitive

Note: Sold in collaboration with SIOC for research purposes only. Patents PCT/CN2013/071091, CN202110253896.5. SKP Ligand Kit

#### Technical Note:

1. See 15-4330 (Page 2)

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