

96-0070 Chiral SpiroSAP Ligand Kit

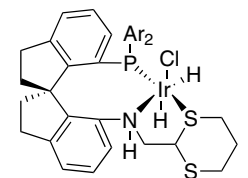
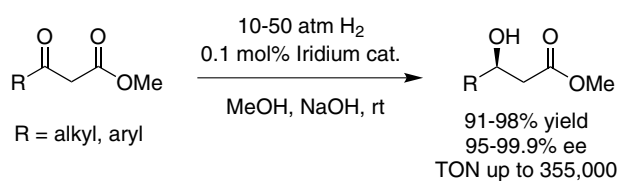
This kit contains 25mg of each of the products shown above.

1 kit

| | | |
|----------------|---|---------------|
| 15-1638 | (R)-(+)-7-[N-(1,3-dithian-2-yl)methylamino]-7'-[bis(3,5-di-<i>t</i>-butylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-DTB-SpiroSAP] CAS# 1809609-53-7 C ₅₀ H ₆₆ NPS ₂ ; FW: 776.17; white to off-white solid; m.p. 95-97°C; spec. rotation: +220.3°(c 0.5, CHCl ₃); <i>air sensitive</i> | 25mg 100mg |
|----------------|---|---------------|

Technical Notes:

- Chiral P-N-S Spiro Ligand used in the Iridium-catalyzed asymmetric Hydrogenation of Ketoesters



Iridium catalyst (77-2150)

Tech Note (1)
Ref. (1)

References:

- Angew. Chem. Int. Ed.* **2015**, 54, 8791

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15-1639 (S)-(-)-7-[N-(1,3-dithian-2-yl)methylamino]-7'-[bis(3,5-di-*t*-butylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(S)-DTB-SpiroSAP] 25mg
100mg
 $C_{50}H_{66}NPS_2$; FW: 776.17; white to off-white solid; m.p. 95-97°C; *air sensitive*

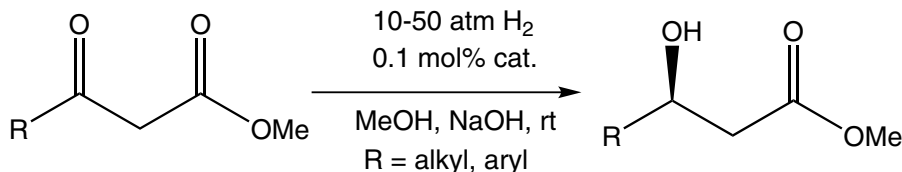
Technical Notes:

- See 15-1638

15-1605 (R)-(+)-7-[N-(2-phenylthio)ethylamino]-7'-[bis(3,5-di-*t*-butylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-DTB-SpiroSAP-Ph] [CAS# 1809609-38-8] 25mg
100mg
 $C_{53}H_{66}NPS$; FW: 780.14; off-white solid; m.p. 58-60°C; spec. rotation +228.8° (c 0.5, $CHCl_3$); *air sensitive*

Technical Notes:

- Catalyst used for the asymmetric hydrogenation of β -alkyl- β -ketoesters



Tech Note (1)
Ref. (1)

References:

- Angew. Chem. Int. Ed.* **2015**, *54*, 8791

15-1613 (R)-(+)-7-[N-(2-benzylthio)ethylamino]-7'-[bis(3,5-di-*t*-butylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-DTB-SpiroSAP-Bn] [CAS# 1809609-52-6] 25mg
100mg
 $C_{54}H_{68}NPS$; FW: 794.16; off-white solid; *air sensitive*

Technical Notes:

- See 15-1605.

15-1643 (R)-(+)-7-[N-(2-phenylthio)ethylamino]-7'-[diphenylphosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-Ph-SpiroSAP-Ph] [CAS# 1809609-40-2] 25mg
100mg
 $C_{37}H_{34}NPS$; FW: 555.71; off-white solid; m.p. 55-58°C; spec. rotation +245.5° (c 0.5, $CHCl_3$); *air sensitive*

Technical Notes:

- See 15-1605.

15-1645 (R)-(+)-7-[N-(2-phenylthio)ethylamino]-7'-[bis(3,5-dimethylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-Xyl-SpiroSAP-Ph] [CAS# 1809609-39-9] 25mg
100mg
 $C_{41}H_{42}NPS$; FW: 611.82; off-white solid; m.p. 58-60°C; spec. rotation +277.0° (c 0.5, $CHCl_3$); *air sensitive*

Technical Notes:

- See 15-1605.

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