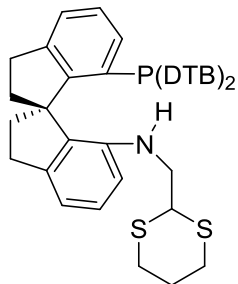
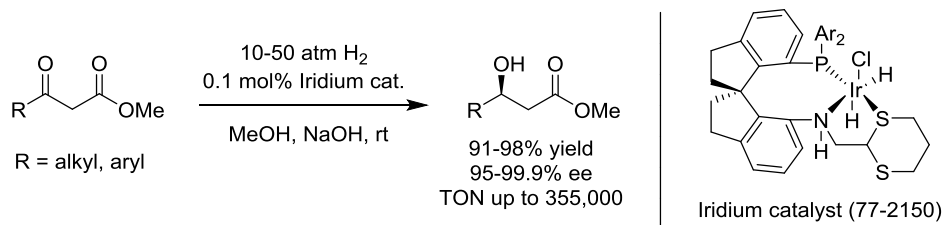


Catalog # 15-1638 (R)-(+)-7-[N-(1,3-Dithian-2-yl)methylamino]-7'-[bis(3,5-di-*t*-butylphenyl)phosphino]-2,2',3,3'-tetrahydro-1,1'-spirobindane, 97+% (>99% ee) [(R)-DTB-SpiroSAP]



**Technical Notes:**

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



**Tech. Note (1)**  
**Ref. (1)**

**References:**

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