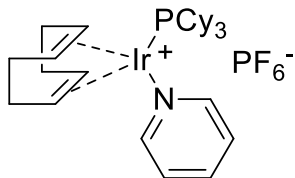
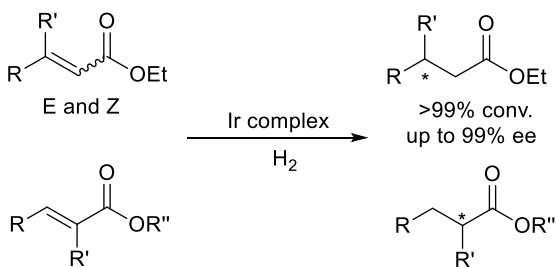


Catalog # 77-9500 (Tricyclohexylphosphine)(1,5-cyclooctadiene)(pyridine)iridium (I) hexafluorophosphate, 99% CRABTREE'S CATALYST

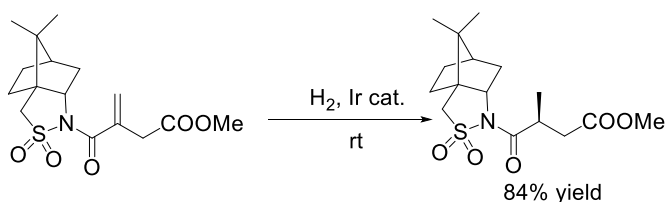


Technical Notes:

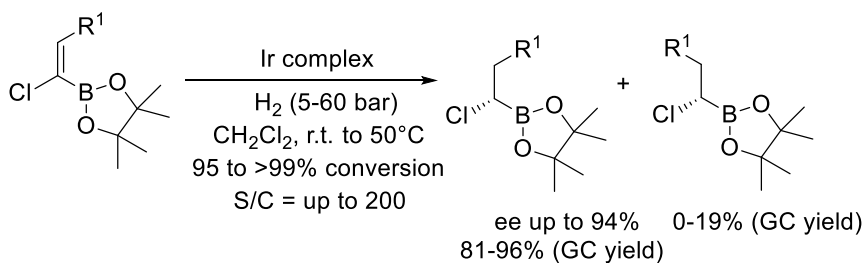
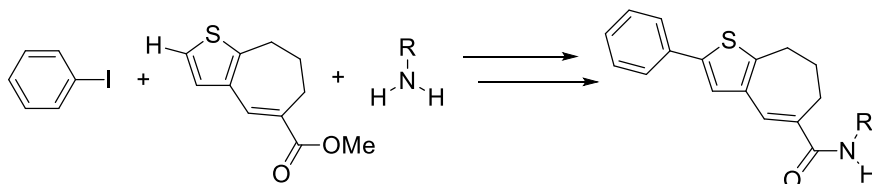
1. Iridium catalyst used for the highly enantioselective hydrogenation of α,β -unsaturated esters.
2. Iridium catalyst used for the stereoselective catalytic hydrogenation and conjugate reduction of 4-methylitaconate derivatives bearing a chiral auxiliary.
3. Iridium catalyst used in the synthesis of thiophene-based TAK-779 analogues via C-H arylation.
4. Iridium catalyst used in the practical synthetic approach to chiral (α -chloroalkyl)boronic esters via an iridium-catalyzed, chemoselective hydrogenation.
5. Iridium catalyst used in the regioselective C-H activation and hydrogen-isotope exchange of non-aromatic unsaturated functionality.



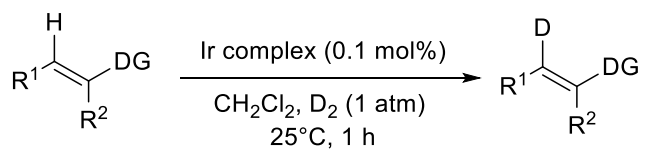
Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)



Tech. Note (4)
Ref. (4)



Tech. Note (5)
Ref. (5)

References:

1. *Chemistry- A Eur. J.*, **2012**, *18*, 10609.
2. *Tetrahedron*, **2013**, *69*, 3486.
3. *J. Org. Chem.*, **2013**, *78*, 5579.
4. *Synthesis*, **2013**, *45*, 2824.
5. *Chemistry- A Eur. J.*, **2014**, *20*, 14604.