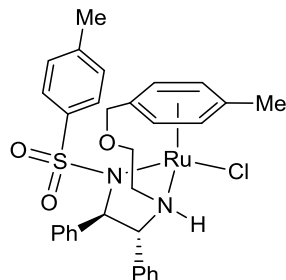


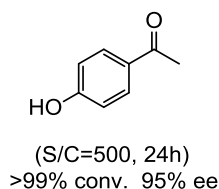
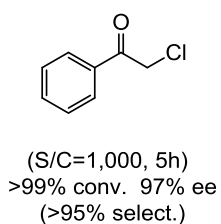
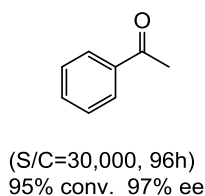
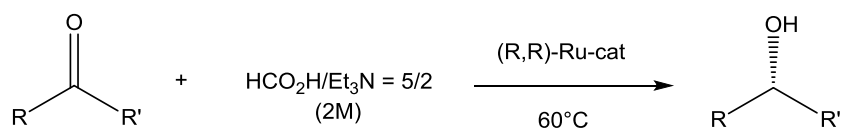
Catalog # N282692 N-[(1R,2R)-1,2-Diphenyl-2-(2-(4-methylbenzyloxy)ethylamino)-ethyl]-4-methylbenzenesulfonamide(chloro)ruthenium(II) (R,R)-Ts-DENE^B



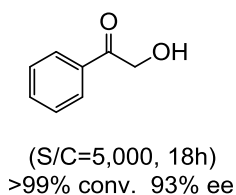
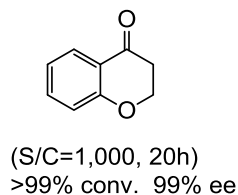
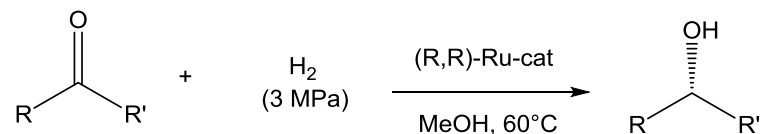
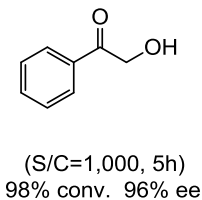
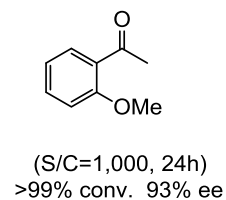
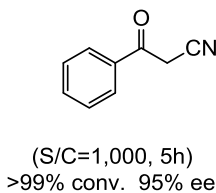
Note: Sold in collaboration with Takasago. US. Patent 9079931.

Technical Notes:

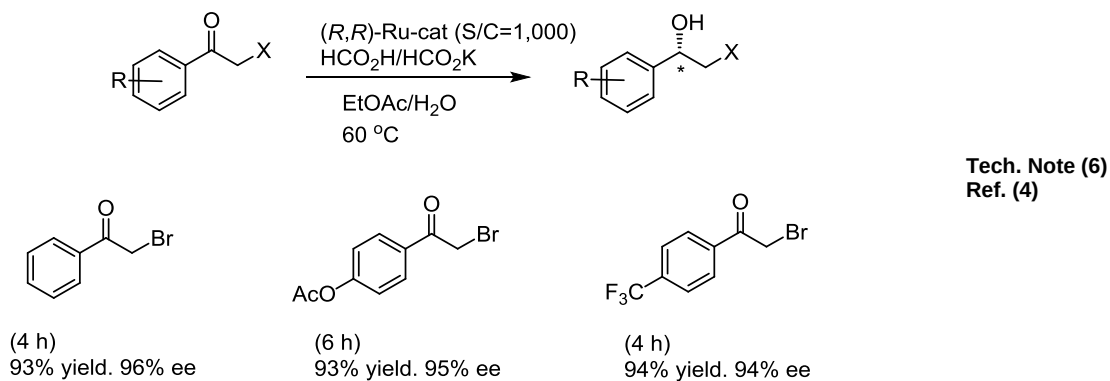
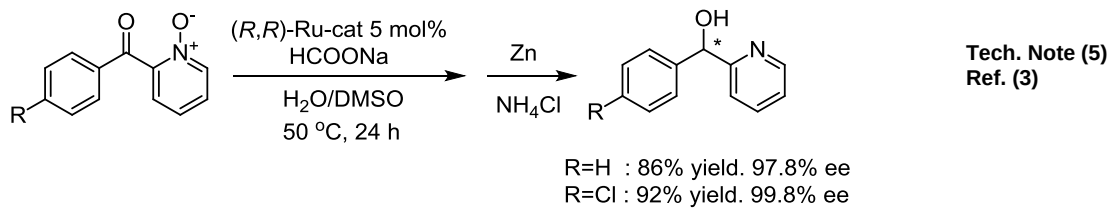
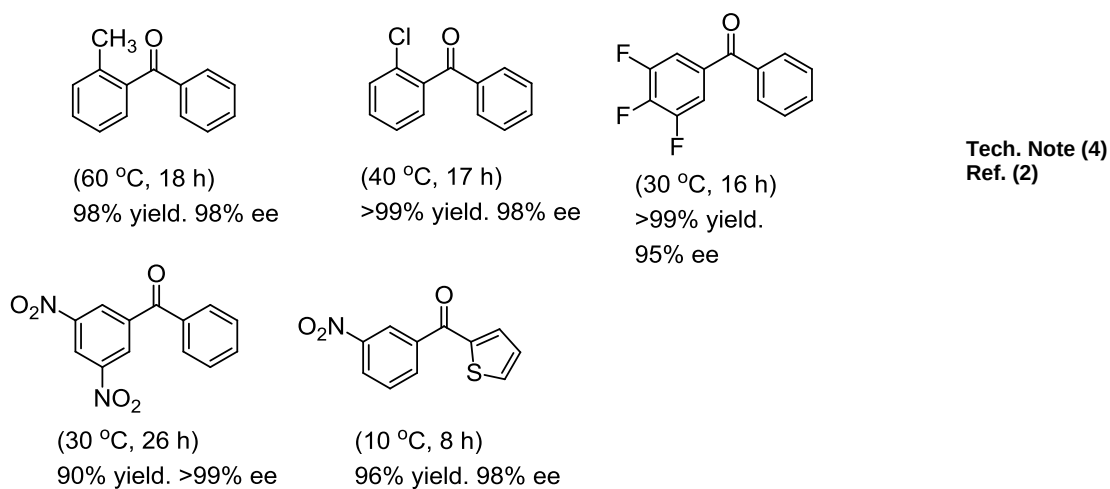
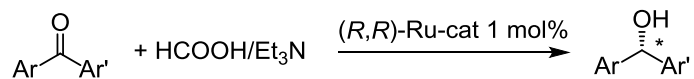
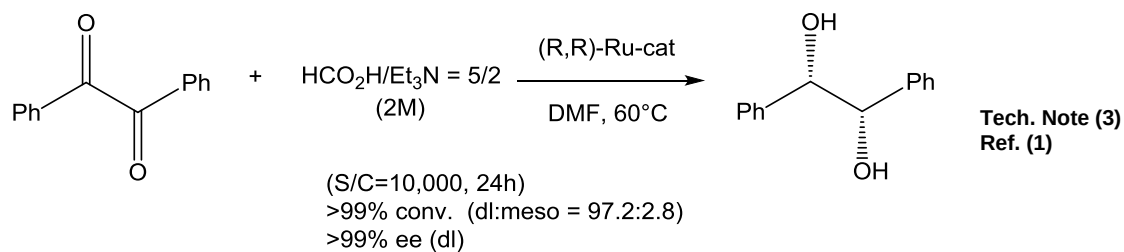
1. Catalyst used for asymmetric α -transfer hydrogenation.
2. Catalyst used for asymmetric H_2 – hydrogenation.
3. Catalyst used for dynamic kinetic resolution.
4. Catalyst used for asymmetric transfer hydrogenation of unsymmetrical benzophenones
5. Catalyst used for asymmetric transfer hydrogenation of Aryl N-Heteroaryl Ketones
6. Catalyst used for asymmetric transfer hydrogenation of α -Substituted Ketone



Tech. Note (1)
Ref. (1)



Tech.Note (2)
Ref. (1)



Reference:

1. *J. Am. Chem.Soc.*, **2011**, 133, 14960.
2. *J. Am. Chem. Soc.* **2016**, 138, 10084.
3. *Org. Lett.* **2017**, 19, 2094.
4. *Adv. Synth. Catal.* **2017**, 360, 568