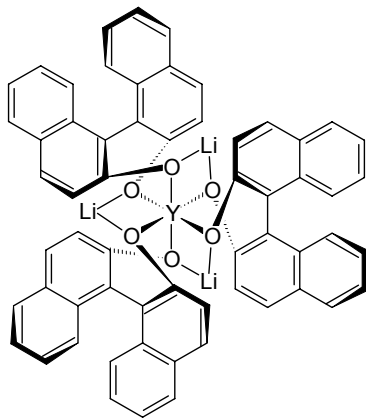
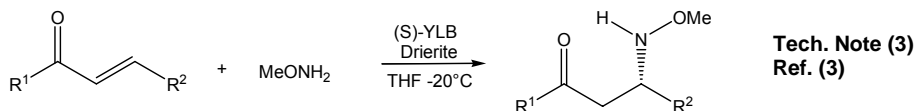
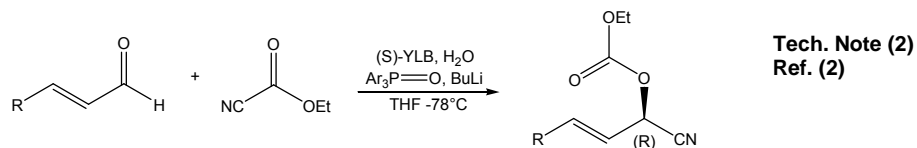
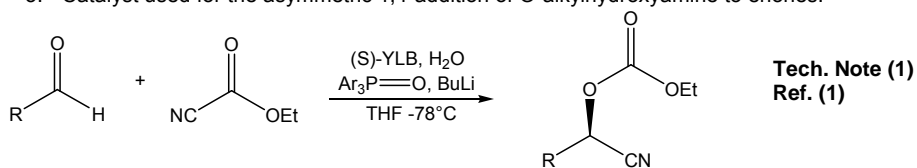


Catalog # 03-2010 Lithium tris(S-(-)-1,1'-binaphthyl-2,2'-diolato)yttrate(III), min. 97%



## Technical Notes:

1. Catalyst used for the asymmetric cyano-ethoxycarbonylation reaction of aldehydes.
2. Catalyst used for the efficient, two-step conversion of  $\alpha,\beta$ -unsaturated aldehydes to optically active  $\gamma$ -oxy- $\alpha,\beta$ -unsaturated nitriles.
3. Catalyst used for the asymmetric 1,4-addition of O-alkylhydroxyamine to enones.



## References:

1. *J. Am. Chem. Soc.*, **2005**, 127, 3413.
2. *Org. Lett.*, **2003**, 5, 3021.
3. *J. Am. Chem. Soc.*, **2003**, 125, 16178.