Angelischaft Deutscher Chemiker Angelischaft Deutscher Chemiker Angelischaft Deutscher Chemiker Chemike 2013-52/37 Stereoselectivity NMe₂ NMe₂ **Dimerization** 5-20 mol% **TMCDA** Me_2 Et₂O Me₂N NMe₂ Catalysis Me_2 $\tilde{N}Me_2$

e.r. up to 99:1

Catalytic amounts ...

... of the chiral additive TMCDA are sufficient to induce the stereoselective *ortho* lithiation of *N*,*N*-dimethylferrocenylmethylamine by 2-propyllithium. As described by C. Strohmann et al. in their Communication on page 9836 ff., the catalytic cycle is enabled by the dimerization of the sterically enriched *ortho*-lithiated ferrocene, which thereby releases TMCDA.



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