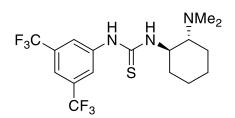
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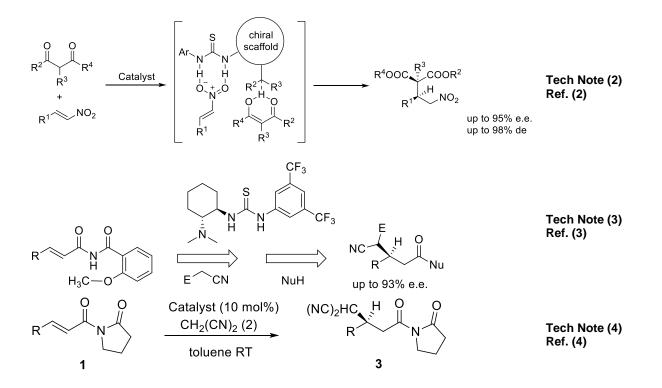
Catalog # 07-6331

1-[3,5-Bis(trifluoromethyl)phenyl]-3-[(1R,2R)-2-(dimethylamino)cyclohexyl]thiourea, 98%, (99% ee)



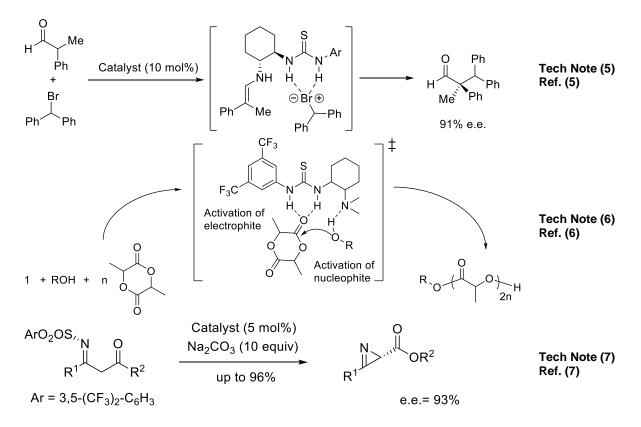
Technical Notes:

- 1. Michael Addition- Michael reaction of malonates to afforded Michael adducts with high yields and enantioselectivities (up to 95%, up to 93% ee).
- 2. Synthesized a new class of bifunctional catalysts bearing a thiourea moiety and an amino group on a chiral scaffold.
- 3. A thiourea-catalyzed asymmetric Michael addition of activated methylene compounds to α,β-unsaturated imides derived from 2-pyrrolidinone and 2-methoxybenzamide.
- 4. High enantioselectivities (up to 94 % ee) were attained in the Michael addition of a variety of α,β-unsaturated imides (1) and malononitrile.
- 5. Alkylation- Primary aminothiourea derivatives catalyze enantioselective alkylation of α-arylpriopionaldehdyes with diarylbromomethane.
- 6. Living Ring-Opening Polymerization- A versatile, metal-free, organocatalytic approach to the living ringopening polymerization of lactide.
- 7. Neber Reaction- The first enantioselective Neber reaction of β -ketoxime sulfonates catalyzed by a bifunctional thiourea.



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