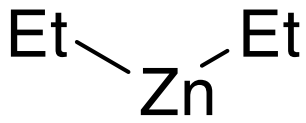
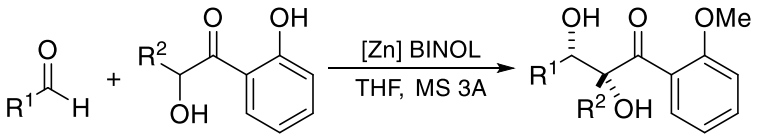
Catalog # 30-3029 Diethylzinc, min. 95% (10 wt% in hexanes)



Technical Notes:

1. Catalyst for direct asymmetric aldol reaction of hydroxyketones.
2. Catalyst for the intramolecular hydroamination of alkynyl sulfonamides and the related tandem cyclization/addition reaction.
3. Used in Cu-catalyzed regiodivergent 1,4-asymmetric conjugate addition.
4. Used in the Pd-catalyzed hydrocarboxylation of allenes with CO_2.
5. Used in Ni-catalyzed highly regio- and stereoselective *syn*-hydrocarboxylation of alkynes with carbon dioxide.
6. Catalyst for zinc mediated azide-alkyne ligation to 1,5- and 1,4,5-substituted 1,2,3-triazoles.
7. Used for borylation of aryl halides and for borylzincation of benzynes/terminal alkyne.
8. Used in enantio- and diastereodivergent Ir-co-catalyzed α-allylation of α-hydroxyketones.
9. Catalyst for the asymmetric aza-henry reaction of N-Boc imines and nitroalkanes under ambient conditions.
10. Catalyst used for the asymmetric synthesis of tetrahydrofuran spirooxindoles.



Tech Note (1)
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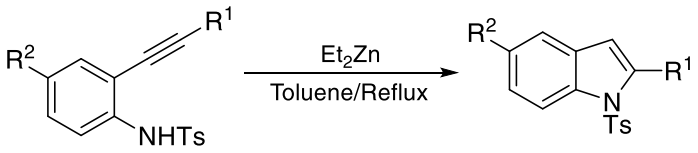

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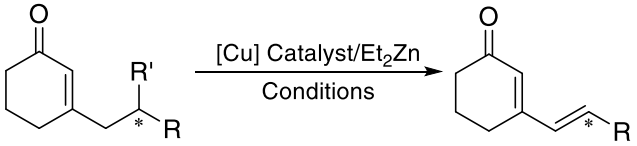

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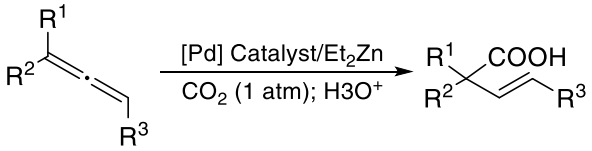

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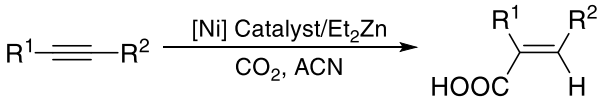

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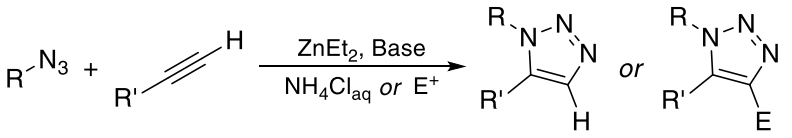

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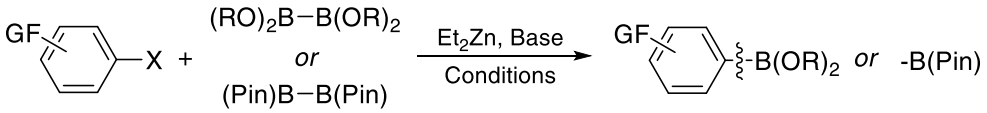
Ref. (6)



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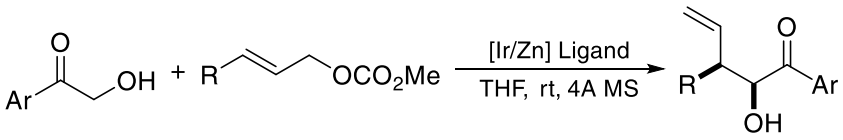

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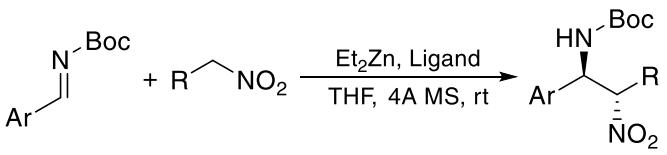

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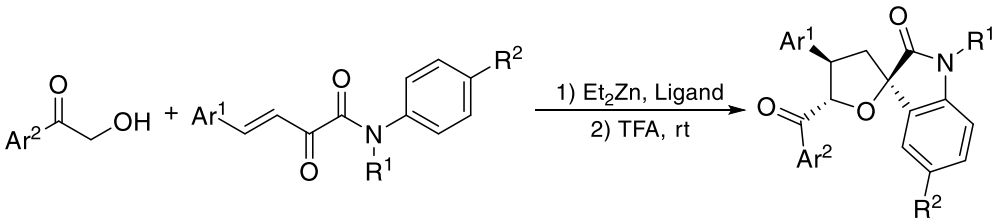

Tech Note (10)
Ref. (10)

References:

1. *J. Am. Chem. Soc.* **2003**, *125*, 2169.
2. *J. Org. Chem.* **2007**, *72*, 5731.
3. *Angew. Chem. Int. Ed.* **2008**, *47*, 9122.
4. *J. Am. Chem. Soc.* **2008**, *130*, 1525.
5. *Angew. Chem. Int. Ed.* **2011**, *50*, 2578.
6. *Org. Lett.* **2013**, *15*, 4826.
7. *J. Am. Chem. Soc.* **2013**, *135*, 18730.
8. *J. Am. Chem. Soc.* **2016**, *138*, 11093.
9. *J. Org. Chem.* **2019**, *84*, 2652.
10. *J. Org. Chem.* **2020**, *85*, 4195.