

## General Literature

### Conformational Analysis

**general:**

*Stereochemistry of Organic Compounds*; Eliel, E. L.; Wilen, S. H.; John Wiley & Sons: New York, **1994**

**allylic A<sub>1,3</sub>-strain:**

Hoffmann, R. W. *Chem. Rev.* **1989**, *89*, 1841.

### Hydroboration Reaction

**general:**

(a) Paterson, I.; Mansuri, M. M. *Tetrahedron* **1985**, *41*, 3569.

(b) Ager, D. A.; East, M. B. *Tetrahedron* **1992**, *48*, 2803.

**transition-metal catalyzed hydroboration:**

(a) Burgess, K.; Ohlmeyer, M. J. *Chem. Rev.* **1991**, *91*, 1179.

(b) Beletskaya, I.; Pelter, A. *Tetrahedron* **1997**, *53*, 4957.

**reagents:**

(a) Negishi, E.; Brown, H. C. *Synthesis* **1974**, *2*, 77.

(b) Lane, C. F.; Kabalka, G. W. *Tetrahedron* **1976**, *32*, 981.

(c) Brown, H. C.; Ramachandran, P. V. *J. Organomet. Chem.* **1995**, *500*, 1.

**kinetics and mechanism:**

Brown, H. C.; Chandrasekharan, J.; Wang, K. K. *Pure & Appl. Chem.* **1983**, *55*, 1387.

**chiral boron reagents:**

(a) Paterson, I. *Tetrahedron Lett.* **1986**, *27*, 4787.

(b) Paterson, I.; Goodman, J. M. *Tetrahedron Lett.* **1989**, *30*, 7121.

(c) Paterson, I.; Goodman, J. M.; Lister, M. A.; Schumann, R. C.; McClure, C. K.; Norcross, R. D. *Tetrahedron* **1990**, *46*, 4663.

(d) Paterson, I. *Pure & Appl. Chem.* **1992**, *64*, 1821.

(e) Paterson, I.; Channon, J. A. *Tetrahedron Lett.* **1992**, *33*, 797.

(f) Paterson, I.; Tillyer, R. D. *Tetrahedron Lett.* **1992**, *33*, 4233.

### Epoxidation

**general:**

Adam, W.; Wirth, T. *Acc. Chem. Res.* **1999**, *32*, 703.

Adam, W.; Zhang, A. *Synlett* **2005**, 1047.

**metal-catalyzed epoxidations:**

Titanium-catalyzed epoxidations: Katsuki, T. in *Transition metals for organic synthesis: building blocks and fine chemicals*; Beller, M.; Bolm, C.; Wiley-VCH: Weinheim, **1998**; volume II, p. 261

**Sharpless asymmetric epoxidation:**

Sharpless, K. B. *Angew. Chem. Int. Ed.* **2002**, *41*, 2024.

## Allyl and Crotyl Metal Chemistry

### crotylation:

Hoffmann, R. W. *Angew. Chem. Int. Ed. Engl.* **1982**, *21*, 555.

## Aldol Reaction

### general:

- (a) Heathcock, C. H. *Science* **1981**, *214*, 395.
- (b) *Organic Reactions*; Mukaiyama Ed.; Wiley: New York, **1982**.
- (c) Evans, D. A. *Aldrichim. Acta* **1982**, *15*, 23.
- (d) Evans, D. A. *Top. Stereochem.* **1982**, *13*, 1.
- (e) The aldol addition reaction: Heathcock, C. H. In *Asymmetric synthesis*; Morrison Ed.; Academic Press: New York, **1984**; vol. 3, chap. 2.
- (f) Masamune, S. *Angew. Chem. Int. Ed. Engl.* **1985**, *24*, 1.
- (g) Heathcock, C. H. *Aldrichim. Acta* **1990**, *23*, 99.
- (h) Additions to C-X  $\pi$ -bonds: Gennari. In *Comprehensive Organic Synthesis*; Trost, Fleming, Heathcock Eds.; Pergamon Press: New York, **1991**; chap. 2.4.
- (i) Yamamoto, H.; Maruoka, K. In *Catalytic Asymmetric Synthesis*; Ojima Ed.; Wiley VCH: New York, **1993**; chap. 9.
- (j) Ito, H.; Sawamura, M. In *Catalytic Asymmetric Synthesis*; Ojima Ed.; Wiley VCH: New York, **1993**; chap. 7.
- (k) Braun, M.; Sacha, H. *J. Prakt. Chem.* **1993**, *335*, 653.
- (l) Paterson, I. *Contemp. Org. Synth.* **1994**, 317.
- (m) Bach, T. *Angew. Chem. Int. Ed. Engl.* **1994**, *33*, 417.
- (n) *Asymmetric Catalysis in Organic Synthesis*; Noyori, R.; Wiley: New York, **1994**.
- (o) *Lewis Acids and Selectivity in Organic Synthesis*; Santelli, M.; Pons, J. M.; Rees, C; CRC: Boca Raton, **1995**.
- (p) *Modern Aldol Reactions*; Mahrwald, R.; Wiley-VCH: Weinheim, **2004**.
- (q) Palomo, C.; Oiarbide, M.; Garcia, J. M. *Chem. Eur. J.* **2002**, *8*, 36.

## Enolate Stereocontrol

### SAMP/RAMP methodology:

Job, A.; Janeck, C. F.; Bettray, W.; Peters, R.; Enders, D. *Tetrahedron* **2002**, *58*, 2253.

### Myers' alkylation:

Rück, K. *Angew. Chem. Int. Ed. Engl.* **1995**, *34*, 433.