

Addition/Correction

Update 1 of: BINOL: A Versatile Chiral Reagent. (*Chem. Rev.* 2007, 107, PR1–PR45. Published on the Web September 12, 2007.)

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ADDITIONS AND CORRECTIONS

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An incorrect structure was given at the top of Table 50. The corrected table is given below.

Table 50. Enantioselective Addition of Methyl Propiolate to Aldehydes

$$\text{H}-\text{C}\equiv\text{C}-\text{COOMe} \xrightarrow[\text{Ti}(\text{O}i\text{-Pr})_4 (1 \text{ equiv.}), \text{ArCHO}, 4\text{h}]{\begin{array}{l} (R)\text{-BINOL } 1 (40 \text{ mol}\%) \\ \text{Et}_2\text{Zn} (4 \text{ equiv.}) \\ \text{HMPA} (2 \text{ equiv.}), \text{CH}_2\text{Cl}_2 \\ \text{rt}, 16 \text{ h} \end{array}} \text{H}-\text{C}(\text{OH})(\text{Ar})-\text{C}\equiv\text{C}-\text{Ph}$$

entry	ArCHO	yield (%)	ee (%)
1	benzaldehyde	69	91
2	2-methylbenzaldehyde	96	91
3	2-methoxybenzaldehyde	91	90
4	4-bromobenzaldehyde	82	93
5	1-naphthylbenzaldehyde	87	95

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