

## Asymmetric Cyclopropanation of Allylic Alcohols Employing Sulfonamide/Schiff Base Ligands.

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### Supporting Information

Determination of enantiomeric excesses for different substrates was performed as described:

**(-)-(1*R*,2*R*)-2-Phenylcyclopropylmethanol.** Determined by Chiral HPLC  $t_R$  (1*S*,2*S*), 27.0 min ;  $t_R$  (1*R*,2*R*), 31.9 min (Chiralcel OB-H, hexane/*i*-PrOH, 95/5, 0.9 mL/min).

**(+)-(1*S*,2*R*)-2-Phenylcyclopropylmethanol.** Determined by <sup>1</sup>H-NMR (CDCl<sub>3</sub>) by relative integration of the signals at 3.50 ppm (1*S*,2*R*) and 3.54 ppm (1*R*,2*S*) of the corresponding Mosher ester.

**1-Methyl-2-phenylcyclopropylmethanol.** Determined by Chiral HPLC  $t_R$  11.8 min ;  $t_R$  18.5 min (Chiralcel OD-H, hexane/*i*-PrOH, 96/4, 1.0 mL/min).

**(-)-(1*R*,2*R*)-2-(Benzyloxymethyl)-1-(hydroxymethyl)cyclopropane.** Determined by Chiral HPLC  $t_R$  (1*S*,2*S*), 19.3 min ;  $t_R$  (1*R*,2*R*), 30.8 min (Chiralcel OB-H, hexane/*i*-PrOH, 95/5, 1.0 mL/min).

**(+)-(1*S*,2*R*)-2-(Benzyloxymethyl)-1-(hydroxymethyl)cyclopropane.** Determined by Chiral HPLC  $t_R$  (1*R*,2*S*), 13.5 min ;  $t_R$  (1*S*,2*R*), 19.1 min (Chiralcel OD-H, hexane/*i*-PrOH, 99.5/0.5, 1.0 mL/min).

**(-)-(1*R*,2*R*)-2-Propylcyclopropylmethanol.** Determined by <sup>19</sup>F-NMR (CDCl<sub>3</sub>) by relative integration of the signals at -72.0 ppm (1*S*,2*S*) and -72.1 ppm (1*R*,2*R*) of the corresponding Mosher ester.

**(-)-(1*S*,2*R*)-2-Propylcyclopropylmethanol.** Determined by Chiral GC of the corresponding trifluoroacetate  $t_R$  (1*S*,2*R*), 24.8 min ;  $t_R$  (1*R*,2*S*), 26.1 min (30-m Supelco β-DEX<sup>TM</sup>, 60 °C, 3.8 mL/min).