Electronic Supplementary Information
for
Iron(III) Chloride-Catalysed Direct Nucleophilic α-Substitution of Morita-Baylis-Hillman Alcohols with Alcohols, Arenes, 1,3-Dicarbonyl Compounds, and Thiols

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Figure S1. $^1$H and $^{13}$C NMR Spectra of 2-((6-Oxocyclohex-1-enyl)(phenyl)methyl)-1,3-diphenylpropane-1,3-dione (3a)
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Chiralcel OJ-H Column, <i>n</i>-hexane/i-PrOH = 90/10, flow rate 1 mL/min, \( \lambda = 254 \) nm.

![Chromatogram](image1)

### Peak Table

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Figure S24. HPLC Spectrum of Chiral 1a<sup>S1,S2</sup>

Chiralcel OJ-H column, <i>n</i>-hexane/i-PrOH = 90/10, flow rate 1 mL/min, \( \lambda = 254 \) nm.

![Chromatogram](image2)

### Peak Table

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S24
Figure S25. HPLC Spectrum of Racemic 3a obtained from Racemic 1a

Chiralcel AD-H column, \( n\)-hexane/i-PrOH = 80/20, flow rate 1 mL/min, \( \lambda = 254 \) nm.

Figure S26. HPLC Spectrum of Racemic 3a obtained from Chiral 1a

Chiralcel AD-H column, \( n\)-hexane/i-PrOH = 80/20, flow rate 1 mL/min, \( \lambda = 254 \) nm.
References
