Organocatalytic asymmetric synthesis of 3-difluoroalkyl 3-hydroxyoxindoles

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Supporting Information

(Part II)

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$^1$H, $^{13}$C NMR and $^{19}$F NMR spectra were recorded on 400 MHz. Chemical shifts are reported in ppm from CDCl$_3$, (CD$_3$)$_2$SO or D$_2$O with the solvent resonance as the internal standard. The following abbreviations were used to designate chemical shift multiplicities: s = singlet, d = doublet, t = triplet, q = quartet, h = heptet, m = multiplet, br = broad. Coupling constants, $J$, are reported in Hertz.
l_{y=1} - l_{y=0} = 0.07 \pm 1 \text{ h}

8a
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1y1-1h-0.20 h

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ly1-li-054-2 h
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\[ \text{HO} \]

1H-1H-071-1 h

Ph

\[ \text{Me} \]

\[ \text{O} \]

\[ \text{H} \]

\[ \text{13} \]
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8s

lyl-1h-022-1 h