**A Simple and Efficient One-Step Synthesis of a Highly Enantioselective Catalyst
3,3'-Di(pyrrolidinylmethyl)-H₈BINOL**

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1. General

All chemicals were purchased from commercial suppliers and used without further purification. Flash chromatography was performed using 230–400 mesh Silica Flash 60 silica gel. Thin layer chromatography was performed with pre-coated TLC sheets of silica gel (60 F254, Merck). NMR spectra were recorded with a Varian System instrument (600 MHz for ^1H , and 150 MHz for ^{13}C) with CDCl_3 as the solvent and TMS as the internal standard signal. Specific rotations were determined on a Jasco digital polarimeter P-2000.

2. ^1H NMR and ^{13}C NMR Spectra of 3,3'-di(pyrrolidinylmethyl)- H_8BINOL

Fig. S1 ^1H NMR Spectrum of 3,3'-di(pyrrolidinylmethyl)- H_8BINOL

Fig. S2 ¹³C NMR Spectrum of 3,3'-di(pyrrolidinylmethyl)-H₈BINOL