

Correction to Simple Chiral Derivatization Protocols for ^1H NMR and ^{19}F NMR Spectroscopic Analysis of the Enantiopurity of Chiral Diols

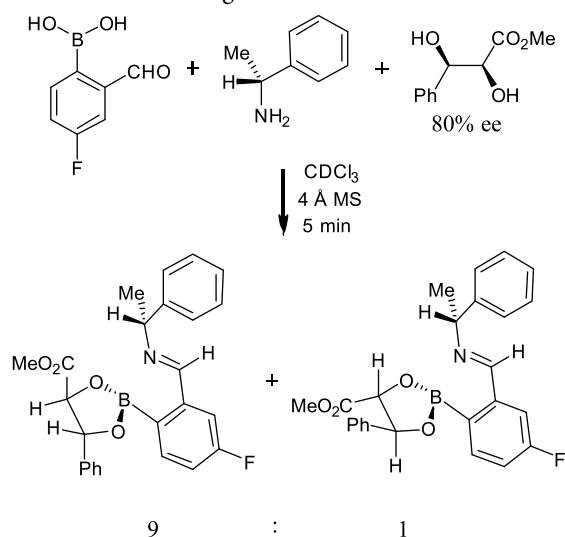
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J. Org. Chem. 2009, 741 (1), 427–430. DOI: 10.1021/jo8019187

Supporting Information

We recently noticed that a number of the ChemDraw structures in our original paper were drawn incorrectly as their meta fluoro to boron isomers, rather than their correct para fluoro to boron isomers.

The graphical abstract and scheme on page 427 were affected. The corrected version is given below.



Diastereoisomeric excess determined
by ^1H and/or ^{19}F NMR spectroscopy

In addition, Table 1 on page 429 also needs to be updated. Similar errors existed in the Supporting Information, so a new version has been provided.

ASSOCIATED CONTENT

Supporting Information

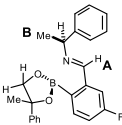
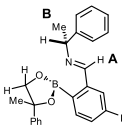
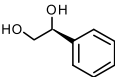
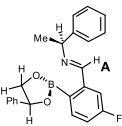
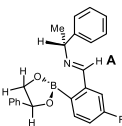
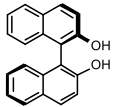
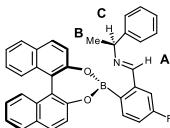
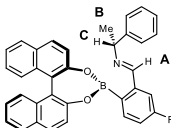
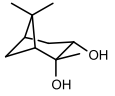
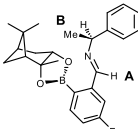
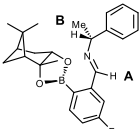
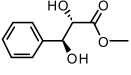
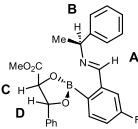
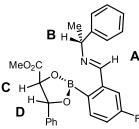
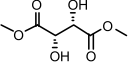
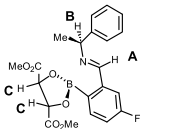
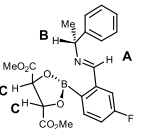
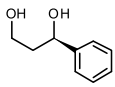
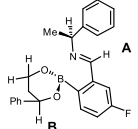
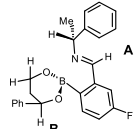
The Supporting Information is available free of charge on the ACS Publications website at DOI: 10.1021/acs.joc.9b01735.

Complete revised file (PDF)

ACKNOWLEDGMENTS

We thank Robin R. Groleau for bringing these errors to our attention.

Table 1. Chemical Shift Differences ($\Delta\delta$) in the 300 MHz ^1H NMR and 400 MHz ^{19}F NMR Spectra of 50:50 Mixtures of Diastereoisomeric Iminoboronate Esters 11a–g/12a–g Derived from (*rac*)- α -Methylbenzylamine 10 and Chiral Diols 3a–g

Diols 3a–f	Diastereoisomeric imino-boronate esters 11a–g/12a–f		$\Delta\delta$ ^1H NMR (ppm)	$\Delta\delta$ ^{19}F NMR (ppm)	$\delta^{11}\text{B}$ NMR (ppm)
			0.05 (A) 0.10 (B)	0.26	17.3
(<i>rac</i>)-3a	(<i>rac</i>)-11a	(<i>rac</i>)-12a			
			0.10 (A)	0.20	17.9
(<i>S</i>)-3b	(<i>S,α-S</i>)-11b	(<i>S,α-R</i>)-12b			
			0.15 (A) 0.20 (B) 0.10 (C)	0.30	12.7
(<i>R</i>)-3c	(<i>R,α-S</i>)-11c	(<i>R,α-R</i>)-12c			
			0.10 (A) 0.15 (B)	0.03	30.5
(<i>2R,3S</i>)-3d	(<i>2R,3S,α-S</i>)-11d	(<i>2R,3S,α-R</i>)-12d			
			0.30 (A) 0.05 (B) 0.15 (C) 0.55 (D)	0.11	15.0
(<i>2S,3R</i>)-3e	(<i>2S,3R,α-S</i>)-11e	(<i>2S,3R,α-R</i>)-12e			
			0.35 (A) 0.15 (B) 0.35 (C)	0.16	13.8
(<i>S,S</i>)-3f	(<i>S,S,α-S</i>)-11f	(<i>S,S,α-R</i>)-12f			
			0.12 (A) 0.05 (B)	0.08	27.7
(<i>R</i>)-3g	(<i>R,α-S</i>)-11g	(<i>R,α-R</i>)-12g			