

Correction to Direct Displacement of Alkoxy Groups of Vinylogous Esters by Grignard Reagents

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Page 3517. During collaborative theoretical calculations regarding the mechanism of this reaction, we arrived at data that called into doubt our assertion that displacement occurred at the 3-position of the naphthyl ring in the cases of compounds 13 and 16. Upon close scrutiny of the spectra for these compounds, particularly those from ¹³C NMR, we have now come to the conclusion that the structures were misassigned. The actual product formed in these cases is the isomeric ketone arising from monoaddition of the Grignard reagent to the ester. A corrected version of Scheme 3 is thus shown below.

Scheme 3. Regioselectivity in the Displacement of Alkoxides with Grignard Reagents

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