

Additions and Corrections

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Corina Scriban, David S. Glueck,* James A. Golen, and Arnold L. Rheingold: Platinum-Catalyzed Asymmetric Alkylation of a Secondary Phosphine: Mechanism and Origin of Enantioselectivity

Pages 1794–1796. The nomenclature for the stereochemistry of P–C bond formation was imprecise. The last sentence on page 1795 and the rest of the paragraph on the next page should be modified to read as follows: Formation of phosphine **3** from phosphido complex **4** formally requires two steps, P–C bond formation and Pt–P bond cleavage. P-alkylation at three-coordinate organophosphorus centers or in metal–phosphido complexes to yield four-coordinate phosphonium salts or cationic metal–phosphine complexes, respectively, is stereospecific; the alkyl group takes up the position occupied by the P lone pair.^{5c,27} Breaking the M–P bond should then yield a phosphine with a lone pair in the position formerly occupied by the metal. With (*R*_P)-**4**, these processes should yield (*R*_P)-**3**, resulting in overall P inversion for the formal two-step process. This matched the experimental observations.²⁸

The word “retention” should be removed from Scheme 11 (page 1794) and from the table of contents graphic. These changes do not affect the conclusions of the paper. We thank Paul Pringle for pointing out this mistake and him, Robert Bergman, Ian Stewart, and Odile Eisenstein for helpful discussions.

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