

Correction to "Convenient Synthesis of Triphenylphosphanylidene Spiro[cyclopentane-1,3'-indolines] and Spiro[cyclopent[2]ene-1,3'-indolines] via Three-Component Reactions"

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Supporting Information

A misinterpretation of the CIF file for 2g shown in Figure 2 caused incorrect structures to be reported for compounds 2a-k.

Abstract, captions for Table 2 and Scheme 2, and all mentions in the text. The compound name should be changed from spiro[cyclopent[2]ene-1,3'-indolines] to spiro[cyclopent-[3]ene-1,3'-indolines].

Page 2656, column 1. The text should read, "At first, the addition of triphenylphosphine to hex-2-en-4-ynedioate gives intermediate E. Second, the addition of 1,3-dipolar zwitterionate (E) to isatinylidene malononitrile produces adduct F. Third, the intramolecular Michael addition of the carbanion to the 1,3-diene bearing a stronger electron-withdrawing triphenylphosphanyl cationin adduct F affords a cyclized intermediate (G), which in turn transfers to a phosphorus ylide intermediate (H) by allylic arrangement of carbanion. Finally, the phosphorus ylide transfers to the triphenylphosphanylidene spiro[cyclopent[3]ene-1,3'-indoline] 2."

The correct product for the reaction in Table 2 is shown:

$$\mathsf{PPh}_3 + \mathsf{CO}_2\mathsf{R}'' + \mathsf{R}' \mathsf{O}_2\mathsf{C} \mathsf{DME} \mathsf{R}' \mathsf{O}_2\mathsf{C} \mathsf{CN} \mathsf{CN} \mathsf{CN} \mathsf{CN} \mathsf{CN} \mathsf{CO}_2\mathsf{R}'' \mathsf{R}' \mathsf{CO}_2\mathsf{R}'' \mathsf{R}' \mathsf{CN} \mathsf{CO}_2\mathsf{R}'' \mathsf{R}' \mathsf{CN} \mathsf{CO}_2\mathsf{R}'' \mathsf{R}' \mathsf{CN} \mathsf{CO}_2\mathsf{R}'' \mathsf{R}' \mathsf{CN} \mathsf{CO}_2\mathsf{R}'' \mathsf{$$

The reaction mechanism in Scheme 2 is corrected as follows:

$$PPh_{3} + CO_{2}R'' CO_{2}R'' CO_{2}R'' CO_{2}R'' R''$$

$$CO_{2}R'' CO_{2}R'' CO_{2}R'' CO_{2}R''$$

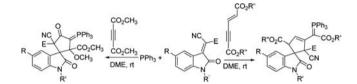
$$(E) (F)$$

$$PPh_{3} CO_{2}R'' CO_{2}R'' R''O_{2}C CO_{2}R''$$

$$R''O_{2}C CO_{2}R'' CO_{2}R'' CO_{2}R''$$

$$R''O_{2}C CO_{2}R'' CO_{2}R''$$

The correct product for the Table of Contents and Abstract graphic is shown:



ASSOCIATED CONTENT

S Supporting Information

The Supporting Information is available free of charge on the ACS Publications website at DOI: 10.1021/acs.orglett.5b02956.

Revised version of the SI containing corrected compound names and structures for 2a-k (PDF)

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