

## CORRECTION

View Article Online  
View Journal | View Issue



Cite this: *Green Chem.*, 2024, **26**, 1020

## Correction: Organocatalytic Friedel–Crafts arylation of aldehydes with indoles utilizing N-heterocyclic iod(az)olium salts as halogen-bonding catalysts

Eirini M. Galathri,<sup>a</sup> Thomas J. Kuczmara,<sup>b</sup> Boris J. Nachtsheim<sup>\*b</sup> and Christoforos G. Kokotos<sup>\*a</sup>

DOI: 10.1039/d3gc90120c  
rsc.li/greenchem

Correction for 'Organocatalytic Friedel–Crafts arylation of aldehydes with indoles utilizing N-heterocyclic iod(az)olium salts as halogen-bonding catalysts' by Eirini M. Galathri et al., *Green Chem.*, 2023, <https://doi.org/10.1039/D3GC03687A>.

The article contains a mistake regarding the deuterated solvent that the mechanistic experiments were run in. The correct solvent is CD<sub>2</sub>Cl<sub>2</sub> and not DMSO-*d*<sub>6</sub>.

The solvent has been updated to CD<sub>2</sub>Cl<sub>2</sub> in the caption of Fig. 2 and the corresponding text in the Mechanistic studies section of the article. Corrections have also been made to the ESI associated with the article.

The original Fig. 2 and corrected figure caption are shown here.

The corresponding text in the Mechanistic studies section of the article has been corrected to:

Initially, the <sup>1</sup>H-NMR (600 MHz, CD<sub>2</sub>Cl<sub>2</sub>) spectrum of 3-phenyl-propanal (**1a**) was recorded (Fig. 2A). The triplet peak of the proton of the carbonyl group resonates at 9.79 ppm. The addition of 1.0 equiv. of catalyst **3e** to **1a** resulted in a slight shift in <sup>1</sup>H-NMR from 9.79 ppm to 9.80 ppm (Fig. 2B). Moving to <sup>13</sup>C-NMR (150 MHz, CD<sub>2</sub>Cl<sub>2</sub>), the carbon of the carbonyl moiety of 3-phenyl-propanal (**1a**) resonates at 202.04 ppm (Fig. 2C).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

<sup>a</sup>Laboratory of Organic Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Panepistimiopolis, Athens 15771, Greece.  
E-mail: [ckokotos@chem.uoa.gr](mailto:ckokotos@chem.uoa.gr)

<sup>b</sup>Institut für Organische und Analytische Chemie, Universität Bremen, Leobener Straße NW2C, 28359 Bremen, Germany



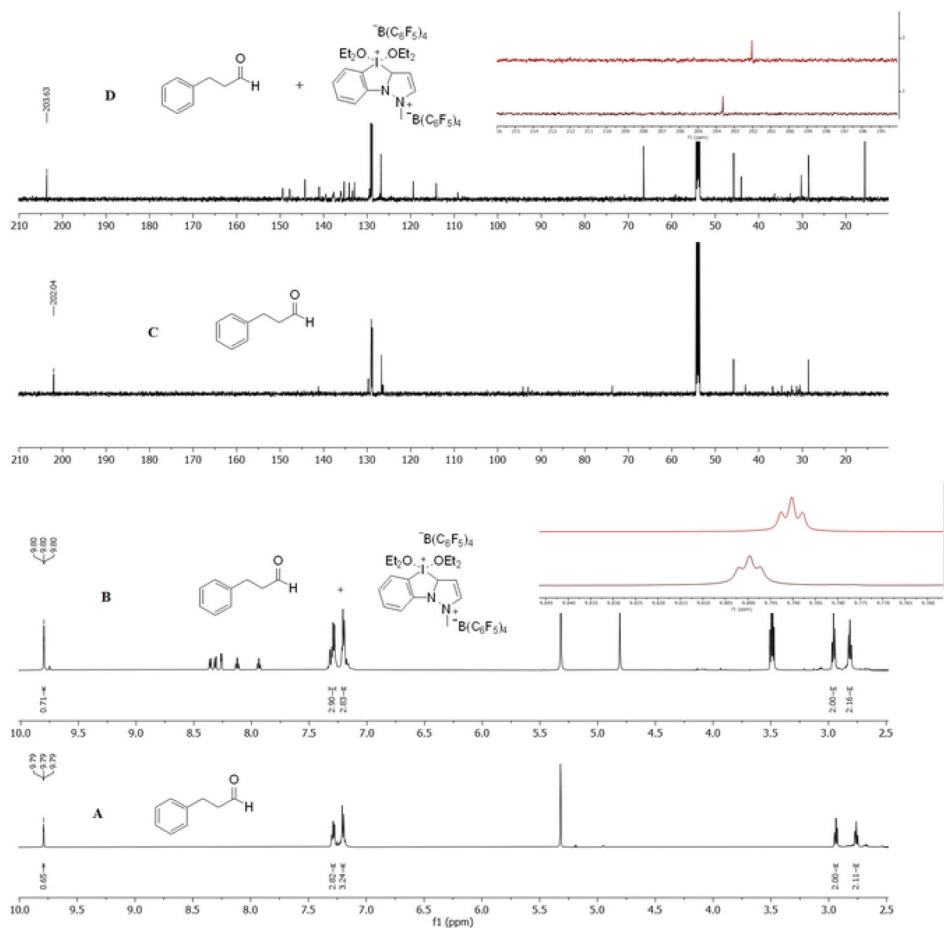


Fig. 2 <sup>1</sup>H NMR (600 MHz, CD<sub>2</sub>Cl<sub>2</sub>) studies of (A) 3-phenylpropanal (**1a**) and (B) the mixture of **1a** with **3e**, and <sup>13</sup>C NMR (150 MHz, CD<sub>2</sub>Cl<sub>2</sub>) studies of (C) 3-phenylpropanal (**1a**) and (D) the mixture of **1a** with **3e**.