Chemical Science



CORRECTION

View Article Online
View Journal | View Issue



Cite this: Chem. Sci., 2024, 15, 11145

Correction: Convergent synthesis of thiodiazole dioxides from simple ketones and amines through an unusual nitrogen-migration mechanism

Kunlayanee Punjajom,^a Paul P. Sinclair,^a Ishika Saha,^b Mark Seierstad,^b Michael K. Ameriks,^b Pablo García-Reynaga,^{*b} Terry P. Lebold^{*b} and Richmond Sarpong^{*a}

DOI: 10.1039/d4sc90120a

rsc.li/chemical-science

Correction for 'Convergent synthesis of thiodiazole dioxides from simple ketones and amines through an unusual nitrogen-migration mechanism' by Kunlayanee Punjajom *et al.*, *Chem. Sci.*, 2024, **15**, 328–335, https://doi.org/10.1039/D3SC04478E.

The original article contains errors in Scheme 1 which include: (1) the structure of **3w** in which the compound is depicted as the 5,6,7,8-tetrahydroquinoline rather than the intended tetrahydronaphthalene; (2) the superscripts for the yields of **3w**, in which the superscripts for compound **3c** were repeated. The yields should read:

9% (83%)^d

 $33\% (40\%)^e$

These changes do not affect the conclusions of the manuscript. An updated figure and caption are included here.

In Fig. 2C, the ¹⁵N product should be labeled ¹⁵N-3w and not 3x. In addition, the caption for Fig. 2 part D was missing in the original article. An updated figure and caption are provided here.

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

^aDepartment of Chemistry, University of California, Berkeley, CA 94720, USA. E-mail: rsarpong@berkeley.edu ^bIanssen Research and Development, San Diego, California 92121, USA. E-mail: pgarciar@its.jnj.com; terry.lebold@gmail.com

Chemical Science Correction

Scheme 1 Substrate scope of amine. a Reaction conditions: see Table 1, entry 4. b P-Fluoroacetophenone. c (E)-Cinnamylamine. d From α -tetralone e from β -tetralone. CyH: cyclohexane, MS: molecular sieve. Isolated yield reported. Yield in parentheses refers to recovered starting material.

Correction

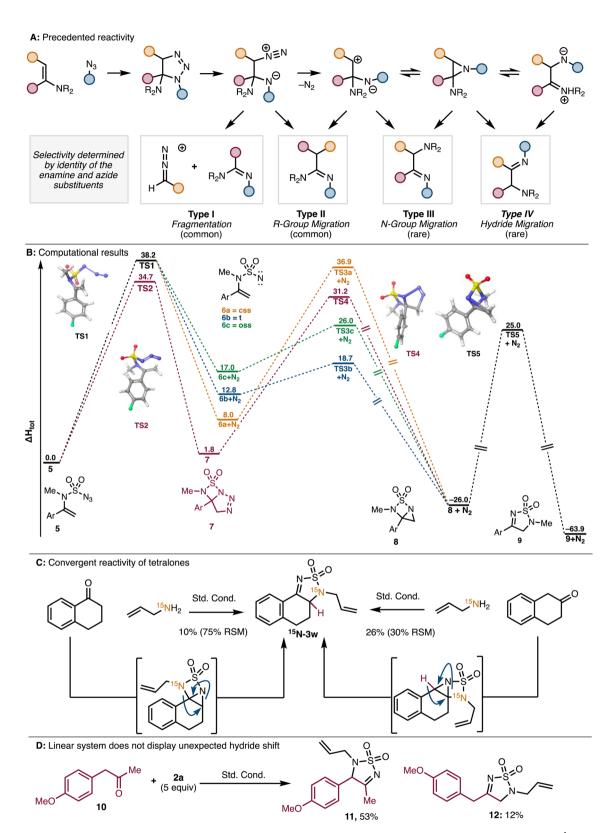


Fig. 2 (A) Rearrangements of amino-triazolines. (B) DFT investigation of possible reaction pathways (values given in kcal mol^{-1}). (C) Reactivity of tetralone substrates. (D) Reaction with homo-benzylic ketone showing no nitrogen migration. (css: closed shell singlet, oss: open shell singlet, t: triplet.).