

CORRECTION

[View Article Online](#)
View Journal | View Issue



Cite this: *Org. Biomol. Chem.*, 2017, **15**, 2856

Correction and removal of expression of concern: A unifying mechanism for the rearrangement of vinyl allene oxide geometric isomers to cyclopentenones

Richard Kelly

DOI: 10.1039/c7ob90046e
rsc.li/obc

Correction and removal of expression of concern for 'A unifying mechanism for the rearrangement of vinyl allene oxide geometric isomers to cyclopentenones' by Adán B. González-Pérez *et al.*, *Org. Biomol. Chem.*, 2014, **12**, 7694–7701.

The following article 'A unifying mechanism for the rearrangement of vinyl allene oxide geometric isomers to cyclopentenones' by Adán B. González-Pérez, Alexander Grechkin and Ángel R. de Lera has been published in *Organic & Biomolecular Chemistry*. The article reports that *Z*-vinyl allene oxides are predicted to rearrange with high fidelity to stereodefined cyclopentenones through intermediate cyclopropanones.

Organic & Biomolecular Chemistry published an expression of concern (*Org. Biomol. Chem.*, 2015, **13**, 11580) in order to alert our readers to concerns expressed to us by the authors following publication due to an error in the calculations in the article. The authors overlooked in their calculations the existence of diradical triplet states in some of the structures. They informed us that taking them into account could change the main findings of the mechanistic proposal based on the formation and rearrangement of cyclopropanones, which were left as the only explanation of the experimentally observed enantioselectivity for the rearrangement of *Z* vinyl allene oxides, but not of the *E* isomers.

The authors have now published a new article which addresses their concerns about the error in their original calculations. The new article is:

'Rearrangement of vinyl allene oxide geometric isomers to cyclopentenones. Further computational insights with biologically relevant model systems' by Adán B. González-Pérez *et al.*, *Org. Biomol. Chem.*, 2017, DOI: 10.1039/c6ob02791a

Accordingly, *Organic & Biomolecular Chemistry* is officially removing its expression of concern.

Richard Kelly

6th March 2017

Executive Editor, *Organic & Biomolecular Chemistry*

