

Accepted Manuscript

A combined experimental and theoretical study of the thermal [3+2] cycloaddition of carbonyl ylides with activated alkenes

Samira Hamza-Reguig, Ghenia Bentabed-Ababsa, Luis R. Domingo, Mar Ríos-Gutiérrez, Stéphanie Philippot, Stéphane Fontanay, Raphaël E. Duval, Sandrine Ruchaud, Stéphane Bach, Thierry Roisnel, Florence Mongin

PII: S0022-2860(17)31673-3

DOI: [10.1016/j.molstruc.2017.12.052](https://doi.org/10.1016/j.molstruc.2017.12.052)

Reference: MOLSTR 24671

To appear in: *Journal of Molecular Structure*

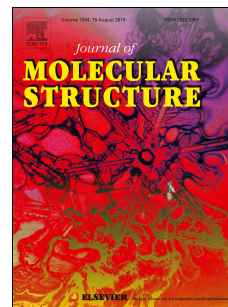
Received Date: 18 September 2017

Revised Date: 3 December 2017

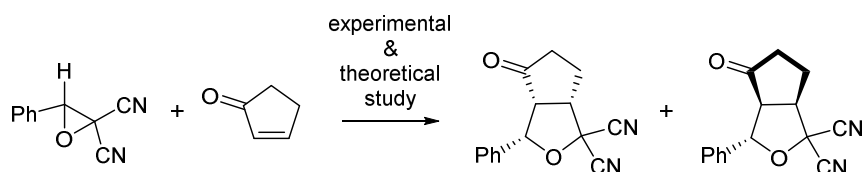
Accepted Date: 14 December 2017

Please cite this article as: S. Hamza-Reguig, G. Bentabed-Ababsa, L.R. Domingo, M. Ríos-Gutiérrez, Sté. Philippot, Sté. Fontanay, Raphaë.E. Duval, S. Ruchaud, Sté. Bach, T. Roisnel, F. Mongin, A combined experimental and theoretical study of the thermal [3+2] cycloaddition of carbonyl ylides with activated alkenes, *Journal of Molecular Structure* (2018), doi: 10.1016/j.molstruc.2017.12.052.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Graphical Abstract



A combined experimental and theoretical study of the thermal [3+2] cycloaddition of carbonyl ylides with activated alkenes

Samira Hamza-Reguig,^a Ghenia Bentabed-Ababsa,^{a,b,*} Luis R. Domingo,^{c,*}
 Mar Ríos-Gutiérrez,^c Stéphanie Philippot,^d Stéphane Fontanay,^d Raphaël E. Duval,^{d,*}
 Sandrine Ruchaud,^e Stéphane Bach,^{e,*} Thierry Roisnel,^f and Florence Mongin^{b,*}

^a *Laboratoire de Synthèse Organique Appliquée, Faculté des Sciences Exactes et Appliquées, Université d'Oran 1 Ahmed Ben Bella, BP 1524 El M'Naouer, 31000 Oran, Algeria*

^b *Chimie Organique et Interfaces, Institut des Sciences Chimiques de Rennes, UMR 6226, CNRS-Université de Rennes 1, Bâtiment 10A, Case 1003, Campus de Beaulieu, 35042 Rennes, France*

^c *Department of Organic Chemistry, University of Valencia, Dr. Moliner 50, 46100 Burjassot, Valencia, Spain*

^d *UMR 7565, SRSMC, CNRS-Université de Lorraine, Faculté de Pharmacie, 5 rue Albert Lebrun, BP 80403, 54001 Nancy, France*

^e *Sorbonne Universités, UPMC Univ Paris 06, CNRS USR3151, "Protein Phosphorylation and Human Disease" Unit, Plateforme de criblage KISSf, Station Biologique de Roscoff, Place Georges Teissier, 29688 Roscoff, France*

^f *Centre de Diffraction X, Institut des Sciences Chimiques de Rennes, UMR 6226, CNRS-Université de Rennes 1, Bâtiment 10B, Campus de Beaulieu, 35042 Rennes, France*

* Corresponding authors. E-mail addresses:

badri_sofi@yahoo.fr (G. Bentabed-Ababsa), domingo@utopia.uv.es (L. R. Domingo),
 raphael.duval@univ-lorraine.fr (R. E. Duval), bach@sb-roscoff.fr (S. Bach),
 florence.mongin@univ-rennes1.fr (F. Mongin).

Download English Version:

<https://daneshyari.com/en/article/7808228>

Download Persian Version:

<https://daneshyari.com/article/7808228>

[Daneshyari.com](https://daneshyari.com)