## **RSC Advances**



## CORRECTION

View Article Online
View Journal | View Issue



Cite this: RSC Adv., 2015, 5, 64300

## Correction: Highly selective aluminium-catalysed intramolecular Prins reaction for L-menthol synthesis

H. Itoh, ab H. Maeda, S. Yamada, Y. Hori, \*a T. Mino\*b and Masami Sakamotob

DOI: 10.1039/c5ra90068a

www.rsc.org/advances

Correction for 'Highly selective aluminium-catalysed intramolecular Prins reaction for L-menthol synthesis' by H. Itoh et al., RSC Adv., 2014, 4, 61619–61623.

The authors regret that, due to mistakes in the analysis of NMR data, incorrect structures were presented in Table 2 of the original manuscript for the cyclization products **14**, **16** and **18**. The correct structures are given in the amended version of Table 2, which is shown below.

Table 2 The Prins reaction of a variety of substrates with ACPP (4b)

Entry	Time (h)	Substrate	Product	Yield (%)	Diastereo-selectivity ratio <sup>a</sup>
1 <sup>b</sup>	19	7	8 (trans)	29 <sup>a</sup>	trans/cis = 81/19
2	1	сно (±)-1	ОН	92	$(\pm)$ -2a/ $(\pm)$ -2b, 2c, 2d = 98.9/1.1
3	4	сно	(±)-2a OH	89	<i>trans/cis</i> = >99/<1

<sup>&</sup>quot;Taksasago International Corporation 4-11, Nishi-Yawata 1-Chome, Hiratsuka City, Kanagawa 254-0073, Japan. E-mail: yoji\_hori@takasago.com

<sup>&</sup>lt;sup>b</sup>Department of Applied Chemistry and Biotechnology, Graduate School of Engineering, Chiba University, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan. E-mail: tmino@faculty.chiba-u.jp

Table 2 (Contd.)

R<sub>3</sub> R<sub>2</sub> R<sub>1</sub> H Et<sub>3</sub>Al (5 mol%), **5b** (15.5 mol%) n OH

			$R_4$			
Entry	Time (h)	Substrate	Product	Yield (%)	Diastereo-selectivity ratio <sup>a</sup>	
$4^b$	19	СНО 11	12	94	<i>trans/cis</i> = >99/<1	
5	4	сно	OH  14 (1α,2β,5β)  (1α,2β,5α)	85 <sup>a</sup>	$1\alpha,\!2\beta,\!5\beta/1\alpha,\!2\beta,\!5\alpha=78/22$	
6	4	nBu CHO	$nBu$ OH  16 $(1\alpha,2\beta,5\beta)$ $nBu$ $(1\alpha,2\beta,5\alpha)$	90	$1\alpha,\!2\beta,\!5\beta/1\alpha,\!2\beta,\!5\alpha=87/13$	
7 <sup>c</sup>	4	Рh сно17	Ph. OH  18 (1α, 2β, 5β)  Ph. OH  (1α, 2β, 5α)	74	$1\alpha,\!2\beta,\!5\beta/1\alpha,\!2\beta,\!5\alpha=62/38$	
8	19	19	) HO 20	Trace		
9	19	СНО	20 HO	Trace		

 $<sup>^</sup>a$  Determined by gas chromatography (GC) analysis.  $^b$  Et<sub>3</sub>Al (20 mol%) and 5b (62 mol%) were used.  $^c$  Et<sub>3</sub>Al (10 mol%) and 5b (31 mol%) were used.

**RSC Advances** 

The Supplementary Information for the original article has been updated to show the correct structures.

The Supplementary Information for the original article has been updated to show the correct structures. The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.