

Berichtigung

In der Zuschrift „Equilibrium and Kinetic Deuterium Isotope Effects on the Hetero-Diels–Alder Addition of Sulfur Dioxide“

von P. Vogel und J. A. Sordo et al. (*Angew. Chem.* **2003**, *115*, 4054–4057) sind in der Tabelle 2 auf S. 4056 die Zeilen 7 und 11

sowie 8 und 12 vertauscht. Die richtige Tabelle ist gezeigt.

Table 2: Calculated kinetic deuterium isotope effect for concerted hetero-Diels–Alder additions.

Reaction		T [°C]		
		–75	–54	+25
$1/3 + 2\text{SO}_2 \rightarrow [11] \rightarrow 4 + \text{SO}_2$	$k_{\text{H}}/k_{\text{D}}^{[\text{a}]}$	0.692 (0.714)	0.725 (0.746)	0.816 ^[b] (0.830) ^[c]
$1/3 + 2\text{SO}_2 \rightarrow [12] \rightarrow 5 + \text{SO}_2$	$k'_{\text{H}}/k'_{\text{D}}^{[\text{d}]}$	0.776 (0.734)	0.801 (0.763)	0.869 ^[b] (0.841) ^[c]
Kinetic regioselectivity: ^[i]	Ratio	1.12	1.10	1.06
$15/16 + 2\text{SO}_2 \rightarrow [11'] \rightarrow 4' + \text{SO}_2$	$k_{\text{H}}/k_{\text{D}}^{[\text{e}]}$	0.707 (0.721) 0.748 (0.755)	0.741 (0.754) 0.780 (0.785)	0.829 ^[b] (0.842) ^[c] 0.861 ^[f] (0.865) ^[g]
$15/16 + 2\text{SO}_2 \rightarrow [12'] \rightarrow 5' + \text{SO}_2$	$k'_{\text{H}}/k'_{\text{D}}^{[\text{h}]}$	0.693 (0.673) 0.658 (0.647)	0.729 (0.709) 0.695 (0.685)	0.824 ^[b,j] (0.806) ^[c,k] 0.796 ^[f] (0.789) ^[g]

[a] $k_{\text{H}}/k_{\text{D}} \triangleq k_1/2k_4$. [b] B3LYP/6-31G(d). [c] B3LYP/6-31G(d) for the reaction with only one equivalent of SO_2 . [d] $k'_{\text{H}}/k'_{\text{D}} \triangleq k_1/2k_5$. [e] $k_{\text{H}}/k_{\text{D}} \triangleq$ butadiene + 2SO_2 vs. 1,1-D₂-butadiene + 2SO_2 giving a sultine analogous to **4**. [f] MP2/6-31G(d). [g] MP2/6-31G(d) for the reaction with only one equivalent of SO_2 . [h] $k'_{\text{H}}/k'_{\text{D}} \triangleq$ butadiene + 2SO_2 vs. 1,1-D₂-butadiene + 2SO_2 giving sultine analogous to **5**. [i] $k'_{\text{H}}/k'_{\text{D}}(\mathbf{5})/k_{\text{H}}/k_{\text{D}}(\mathbf{4})$; calculated (B3LYP/6-31G(d) including zero-point energy). [j] Energy barrier: 4.8 kcal mol^{–1}. [k] Energy barrier: 12.2 kcal mol^{–1}.