

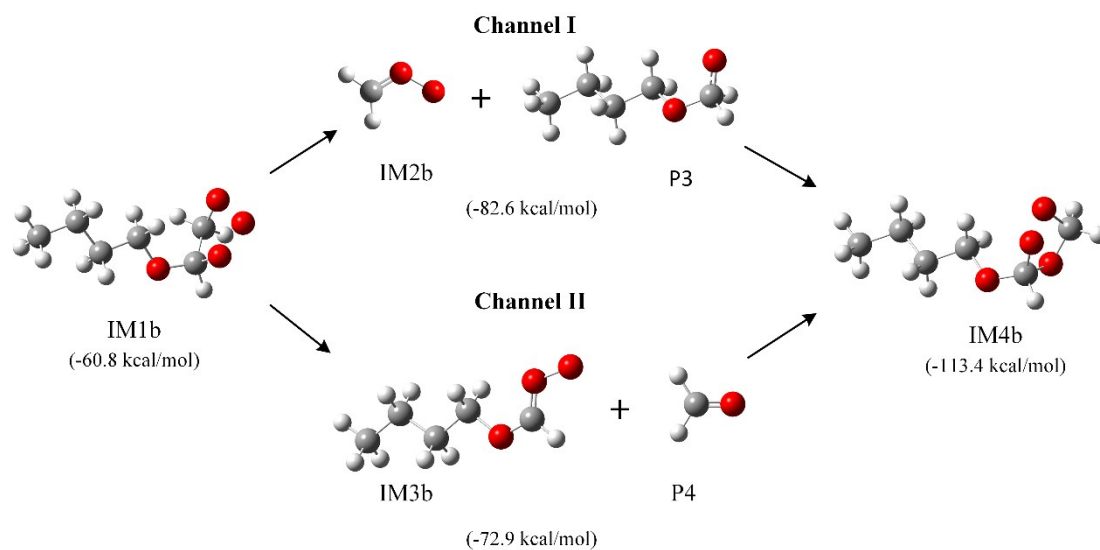
## **Electronic supplementary material**

### **Matrix isolation study of the early intermediates in the ozonolysis of selected vinyl ethers**

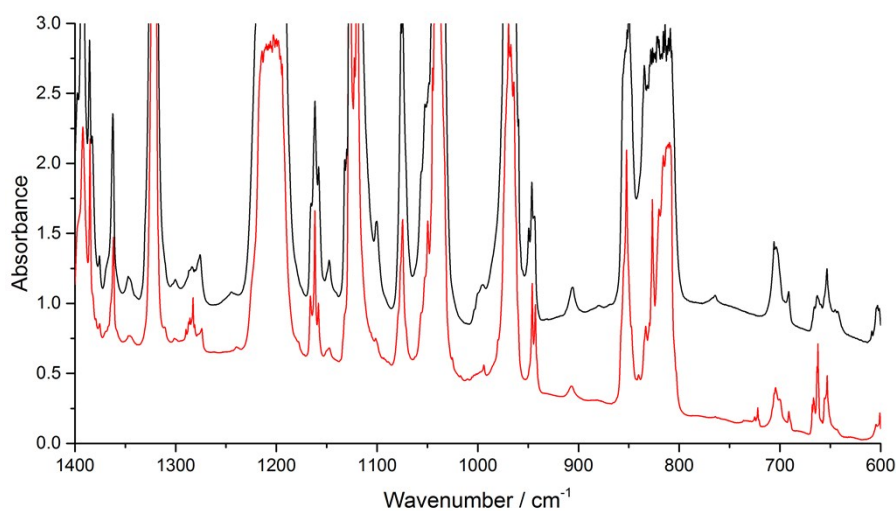
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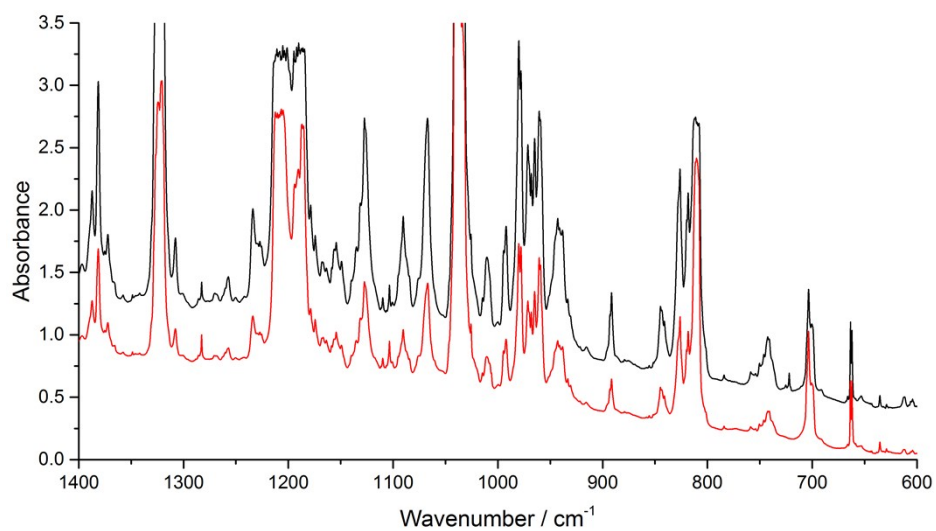
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**Figure S1.** Calculated structures at the B3LYP-D3/aug-cc-pVTZ level for early intermediates in the ozonolysis of n-BVE. The calculated energy relative to the reactants was corrected by zero-point vibrational energy (ZPVE) and given in parentheses.



**Figure S2.** Infrared spectra of the matrices formed by twin jet deposition of different EVE concentrations: Ar/EVE = 200 (lower trace); Ar/EVE = 100 (upper trace).



**Figure S3.** Infrared spectra of the matrices formed by twin jet deposition of different n-BVE concentrations: Ar/n-BVE = 200 (lower trace); Ar/n-BVE = 100 (upper trace).