

Electronic Supporting Informations (ESI) -

Cyclic carbonates through the photo-induced carboxylative cyclization of allylic alcohol with CO₂: a comprehensive kinetic study of the reaction mechanism by in-situ ATR-IR spectroscopy.

Joseph Grondin, Christian Aupetit, Jean-Marc Vincent, Thierry Tassaing *

Institut des Sciences Moléculaires, UMR CNRS 5255, Université de Bordeaux, Bordeaux INP, 351 cours de la Libération 33405 Talence Cedex, France

* Corresponding author: thierry.tassaing@u-bordeaux.fr

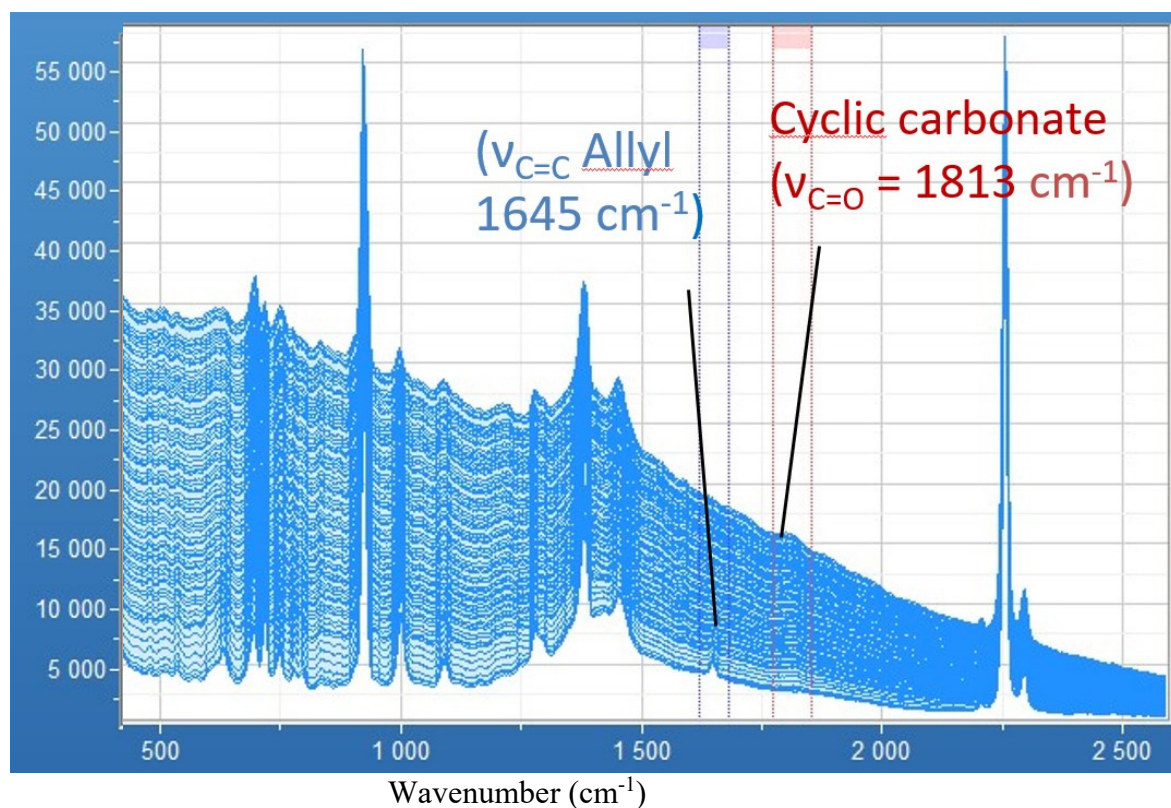


Figure S1: Evolution of the Raman spectra of the reaction medium during the reaction. Conditions: allyl alcohol (48 μ L, 0.5 mmol), DBU (1.05 equiv.), C₄F₉I (1.25 equiv.), CH₃CN (1 mL), 25 °C, CO₂ (0.3 MPa), irradiation at 365 nm (LED) under stirring.

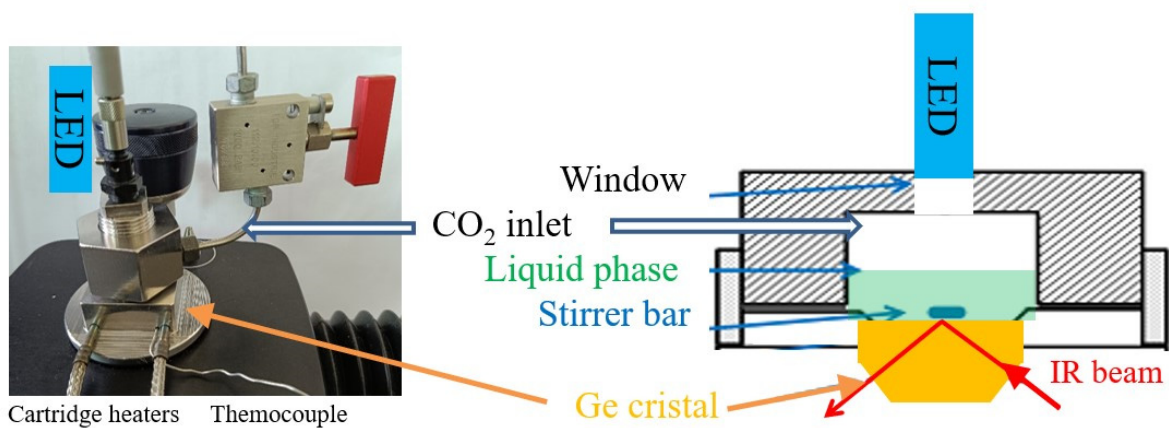


Figure S2: Scheme of the high-pressure ATR-IR set-up.