

# ChemPhysChem

Supporting Information

## **Raman Spectroscopic Signature of Ectoine Conformations in Bulk Solution and Crystalline State**

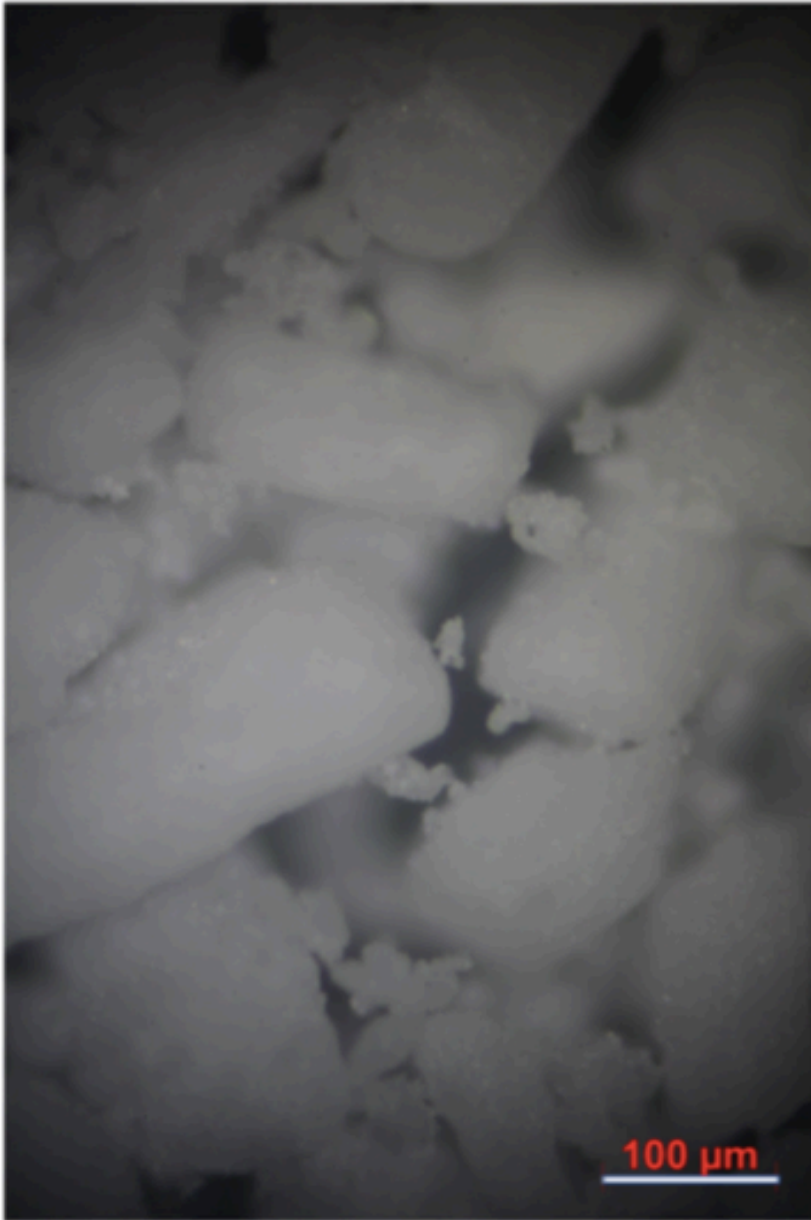
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## **Author Contributions**

T.S. Conceptualization:Equal; Formal analysis:Lead; Investigation:Equal; Methodology:Equal; Project administration:Lead; Validation:Equal; Writing - Original Draft:Equal; Writing - Review & Editing:Equal

M.H. Conceptualization:Supporting; Data curation:Supporting; Formal analysis:Supporting; Investigation:Supporting; Software:Supporting; Validation:Supporting; Writing - Original Draft:Supporting; Writing - Review & Editing:Supporting

J.S. Conceptualization:Equal; Data curation:Equal; Formal analysis:Equal; Investigation:Equal; Software:Lead; Supervision:Equal; Validation:Equal; Writing - Original Draft:Equal; Writing - Review & Editing:Equal



**Fig. 1: Optical image of anhydrate ectoine sample.**

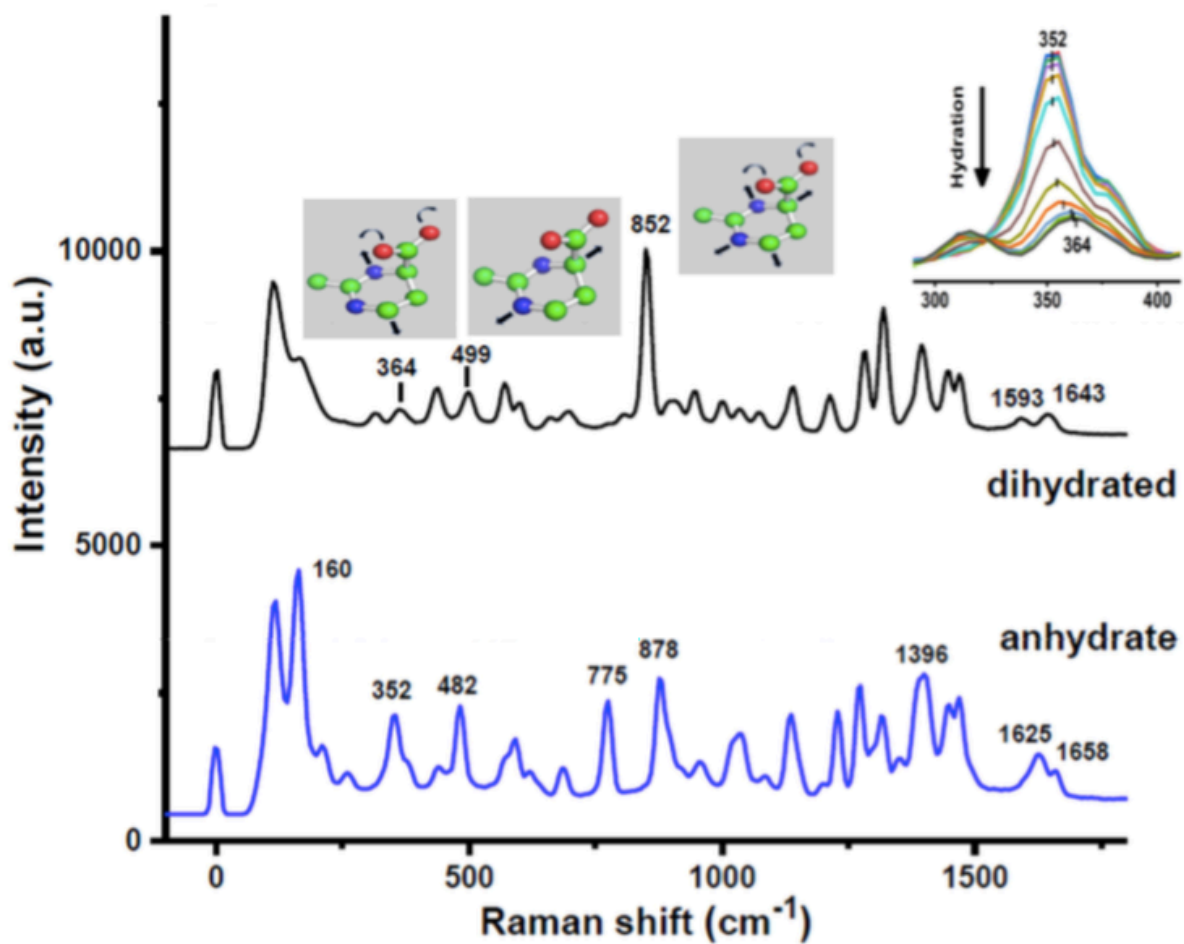


Fig. 2: Raman spectra of anhydrate and dihydrate ectoine. The insets depict the ring deformation modes involved in Fermi resonance and the shift of one of the deformation modes upon hydration.