

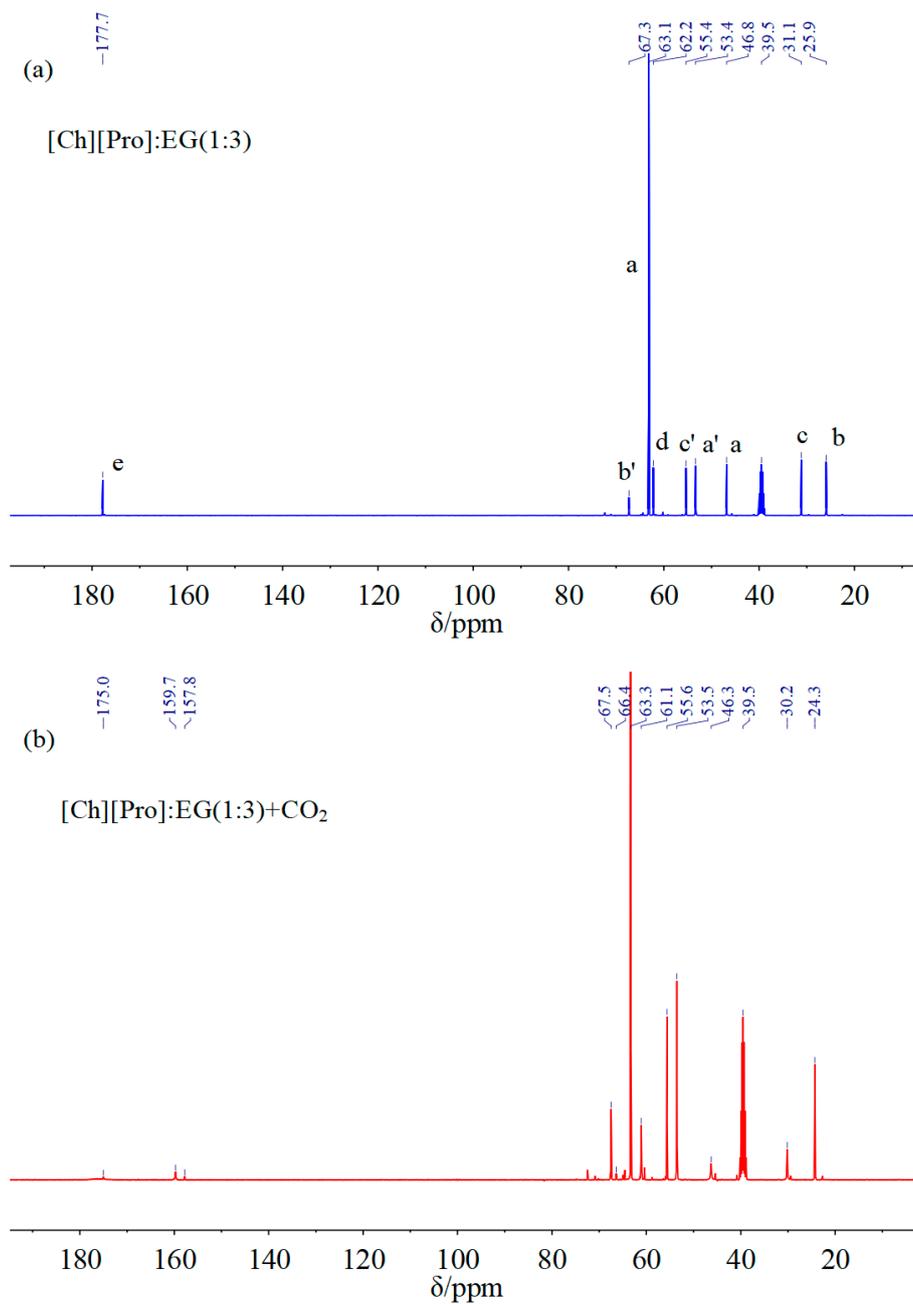
Supporting information

CO₂ Capture Mechanism by Deep Eutectic Solvents Formed by Choline Proline and Ethylene Glycol

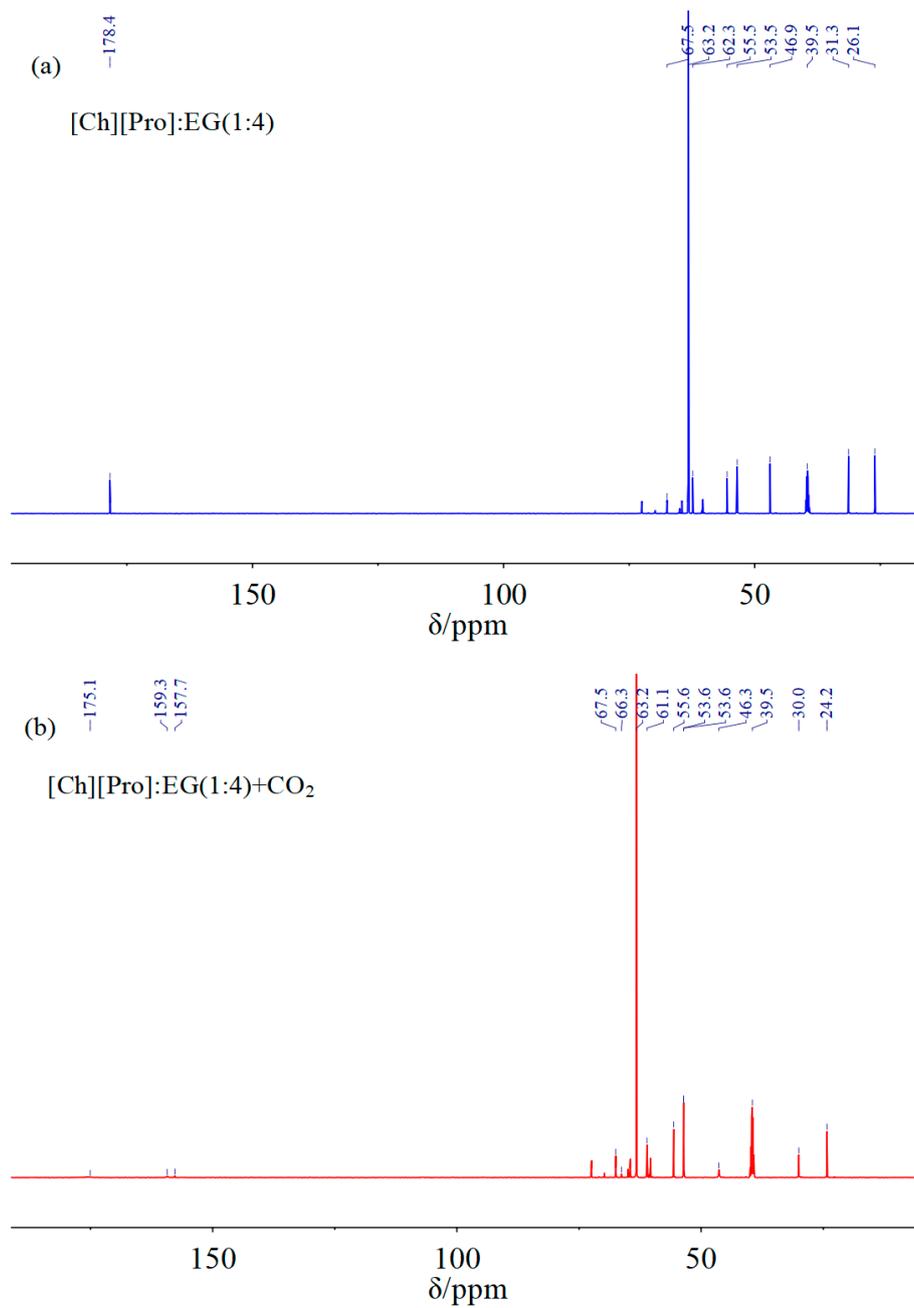
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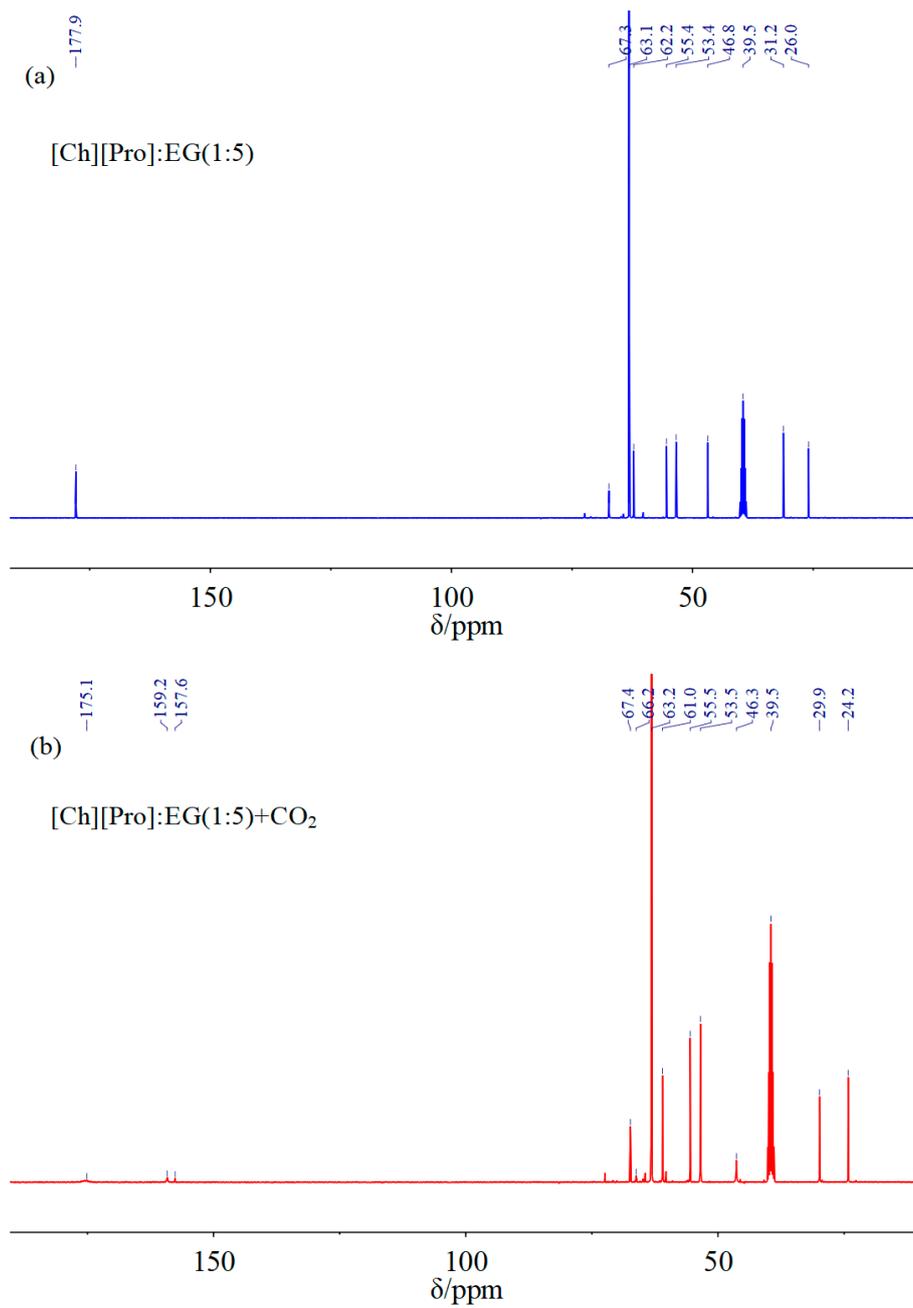
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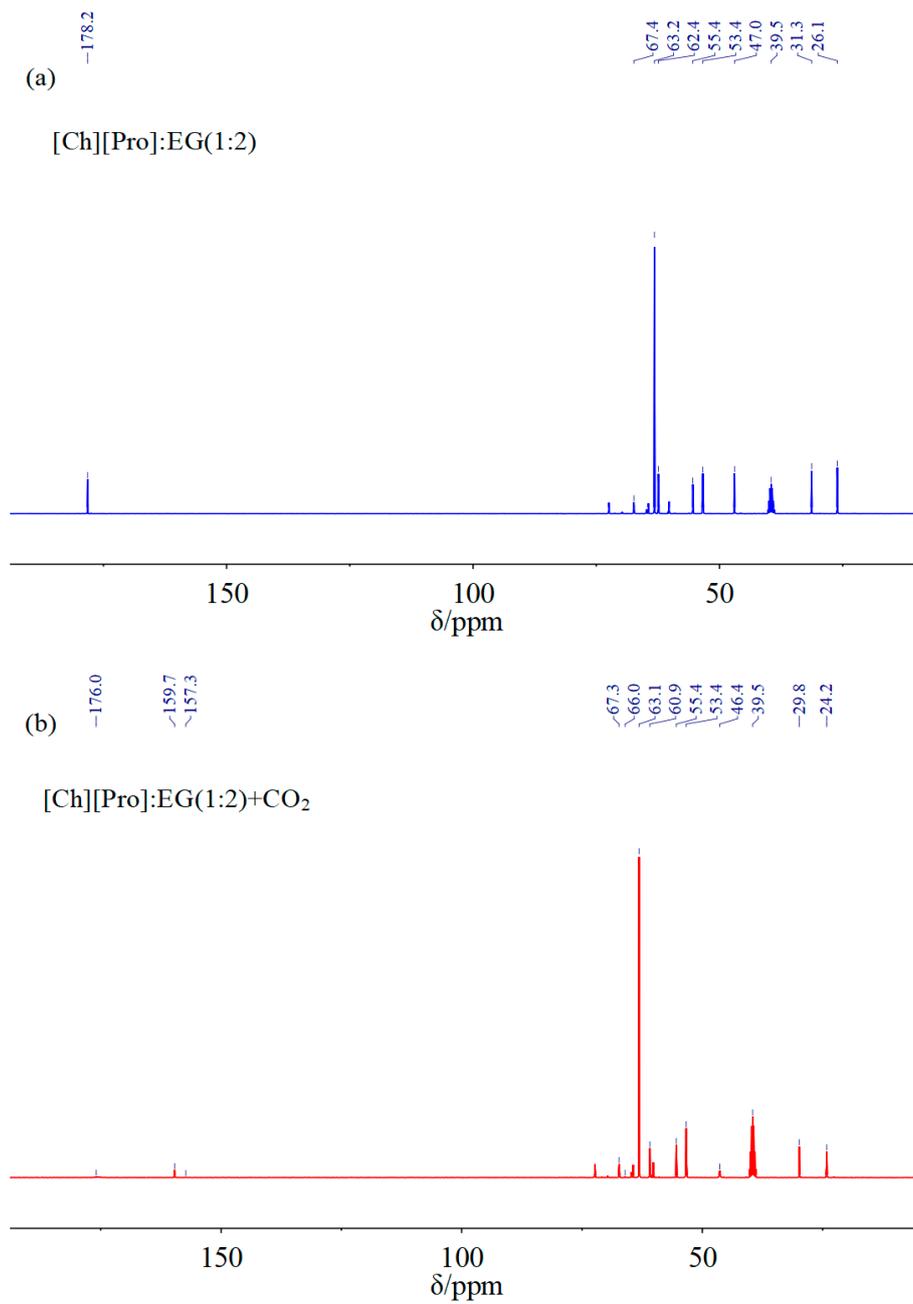
Figures S1. The ¹³C NMR spectra of [Ch][Pro]:EG (1:3) before (a) and after (b) CO₂ capture.



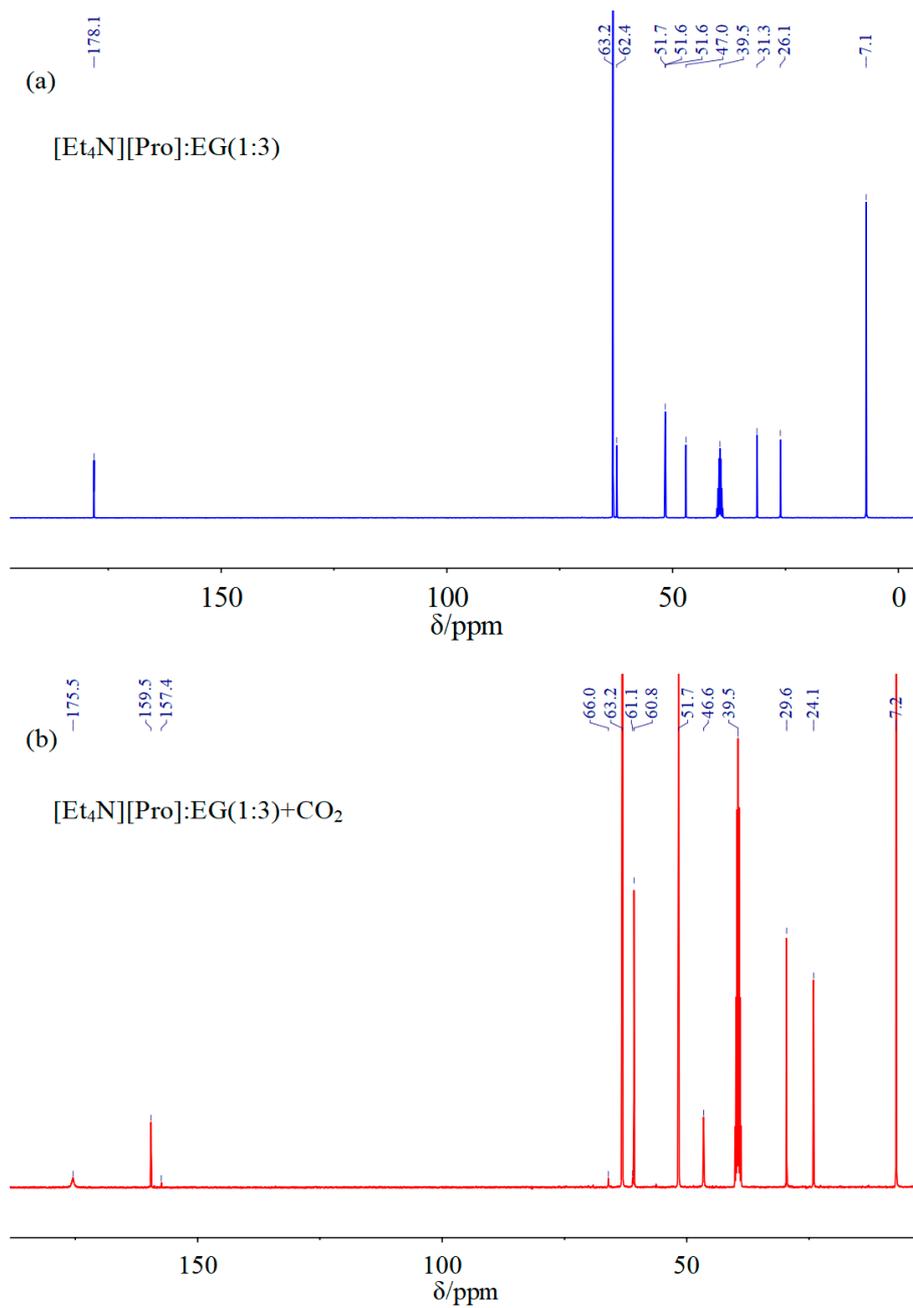
Figures S2. The ^{13}C NMR spectra of [Ch][Pro]:EG (1:4) before (a) and after (b) CO_2 capture.



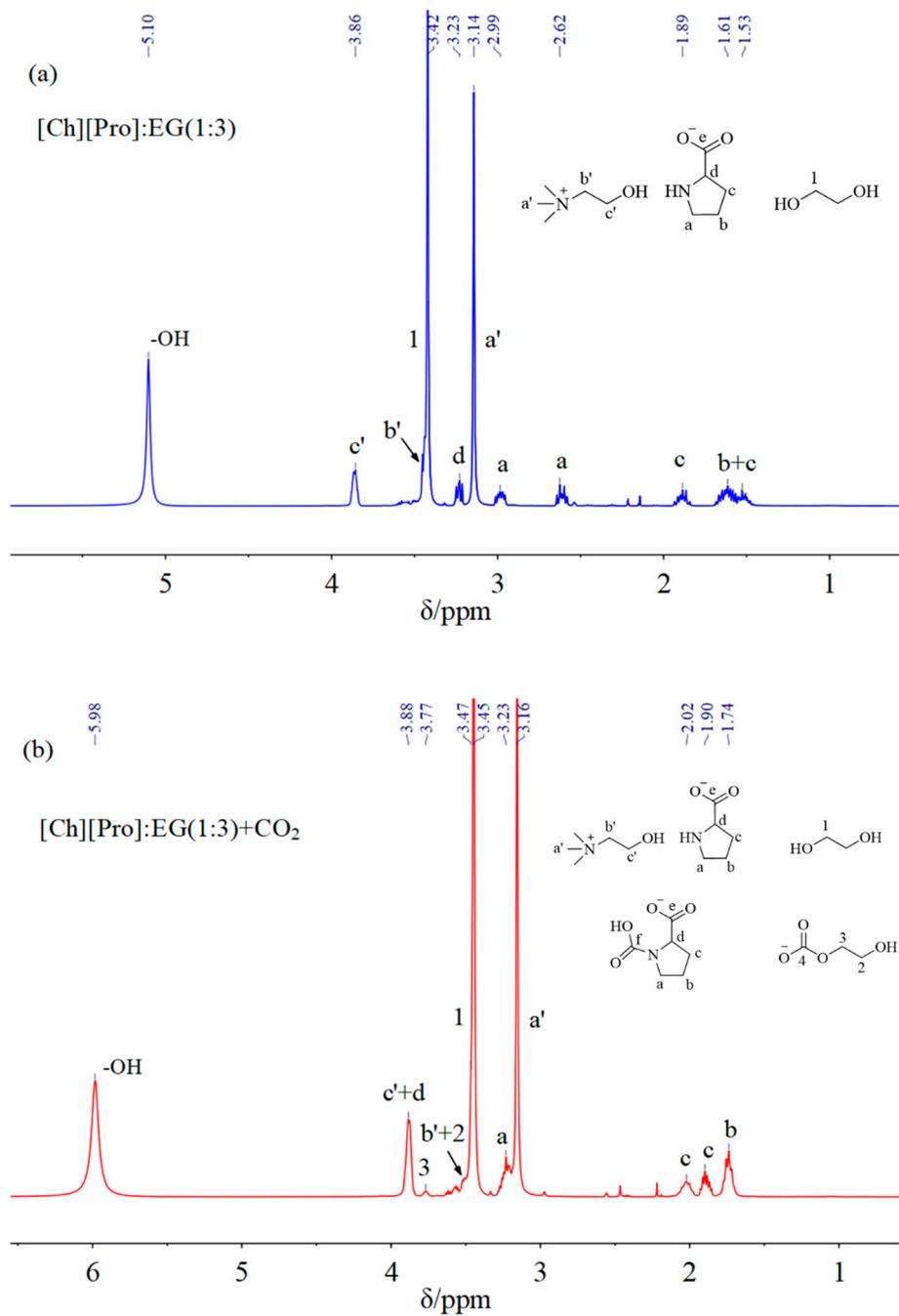
Figures S3. The ¹³C NMR spectra of [Ch][Pro]:EG (1:5) before (a) and after (b) CO₂ capture.



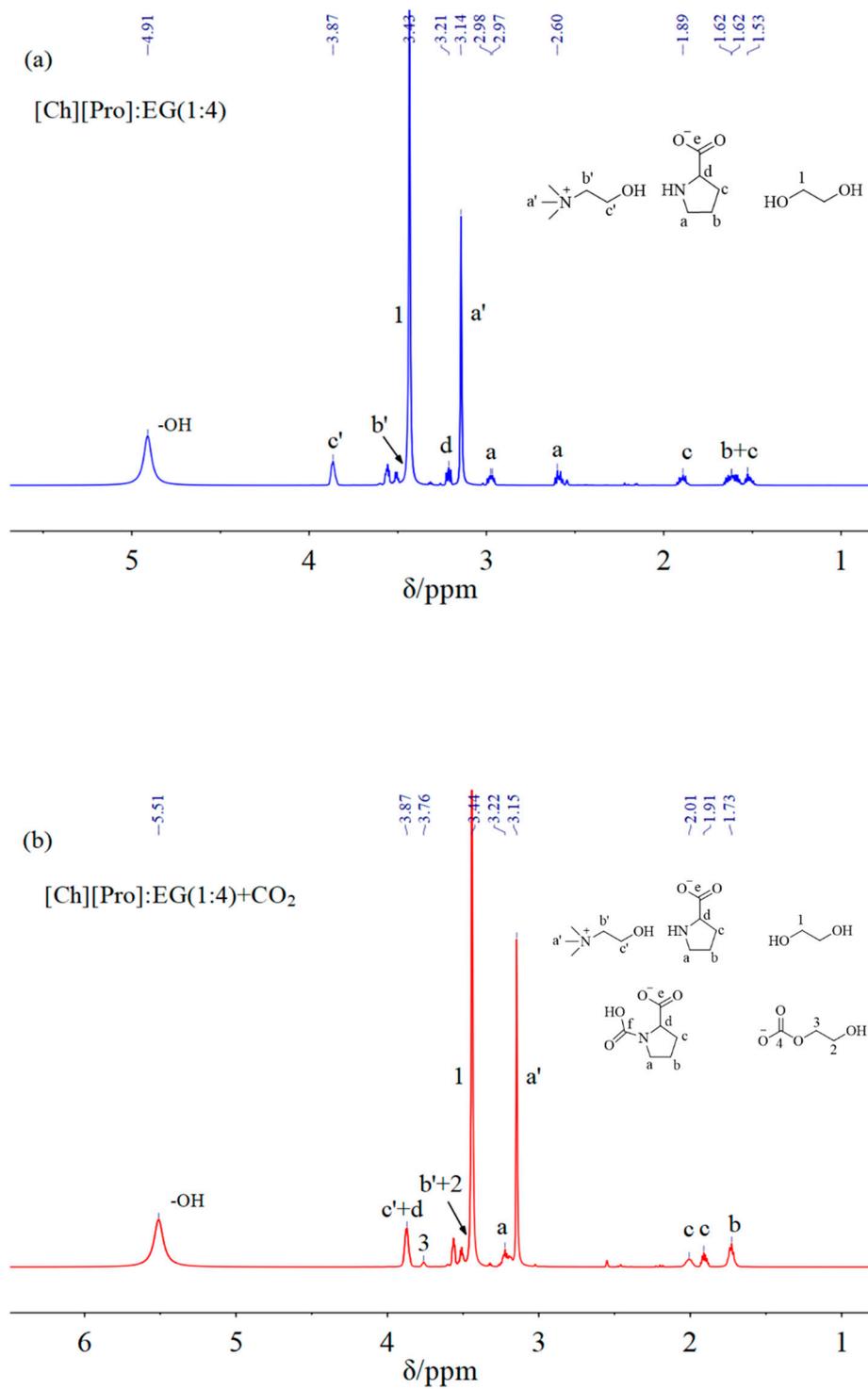
Figures S4. The ¹³C NMR spectra of [Ch][Pro]:EG (1:2) before (a) and after (b) CO₂ capture.



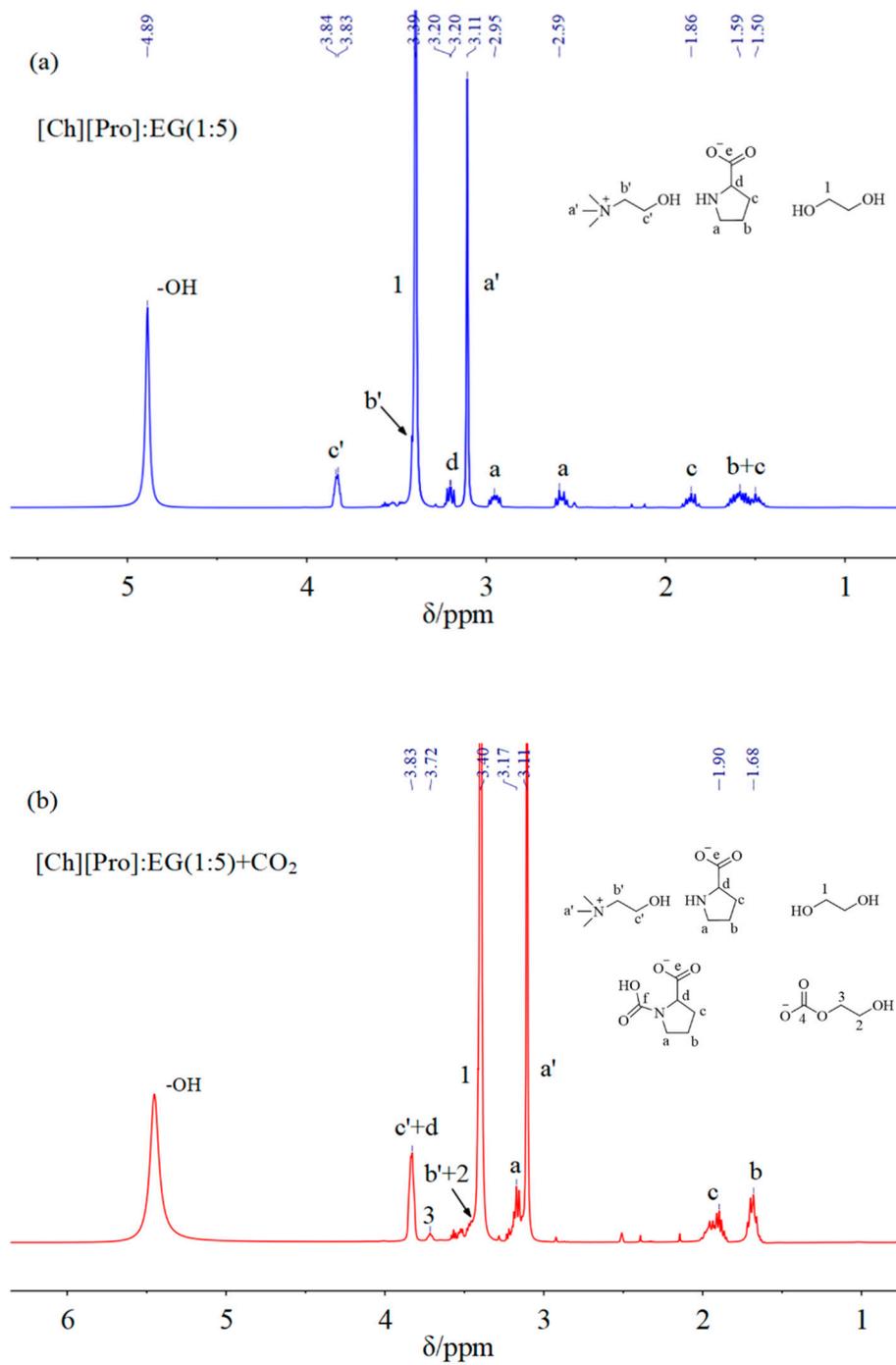
Figures S5. The ^{13}C NMR spectra of $[\text{Et}_4\text{N}][\text{Pro}]:\text{EG}(1:3)$ before (a) and after (b) CO_2 capture.



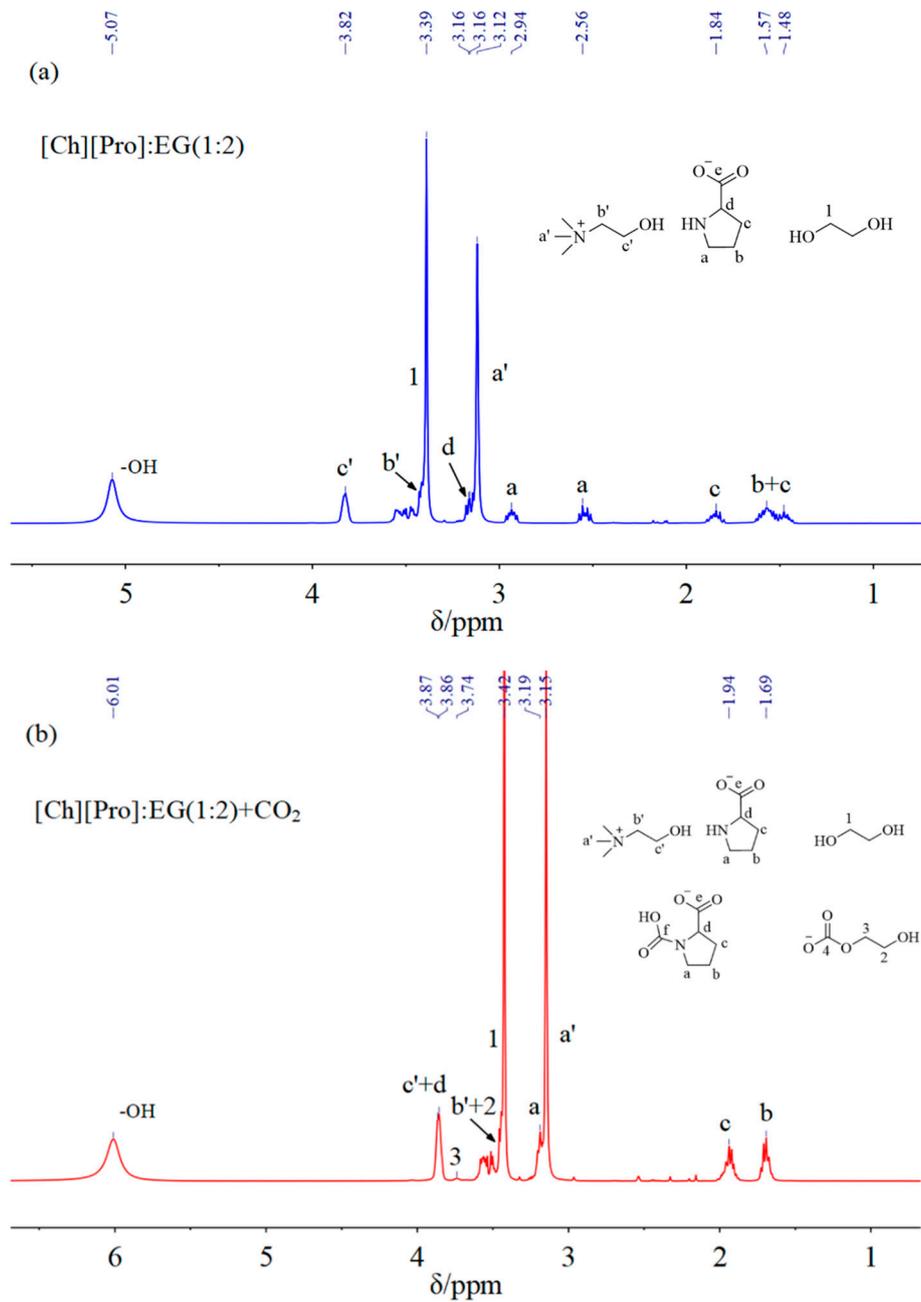
Figures S6. The ¹H NMR spectra of [Ch][Pro]:EG (1:3) before (a) and after (b) CO₂ capture.



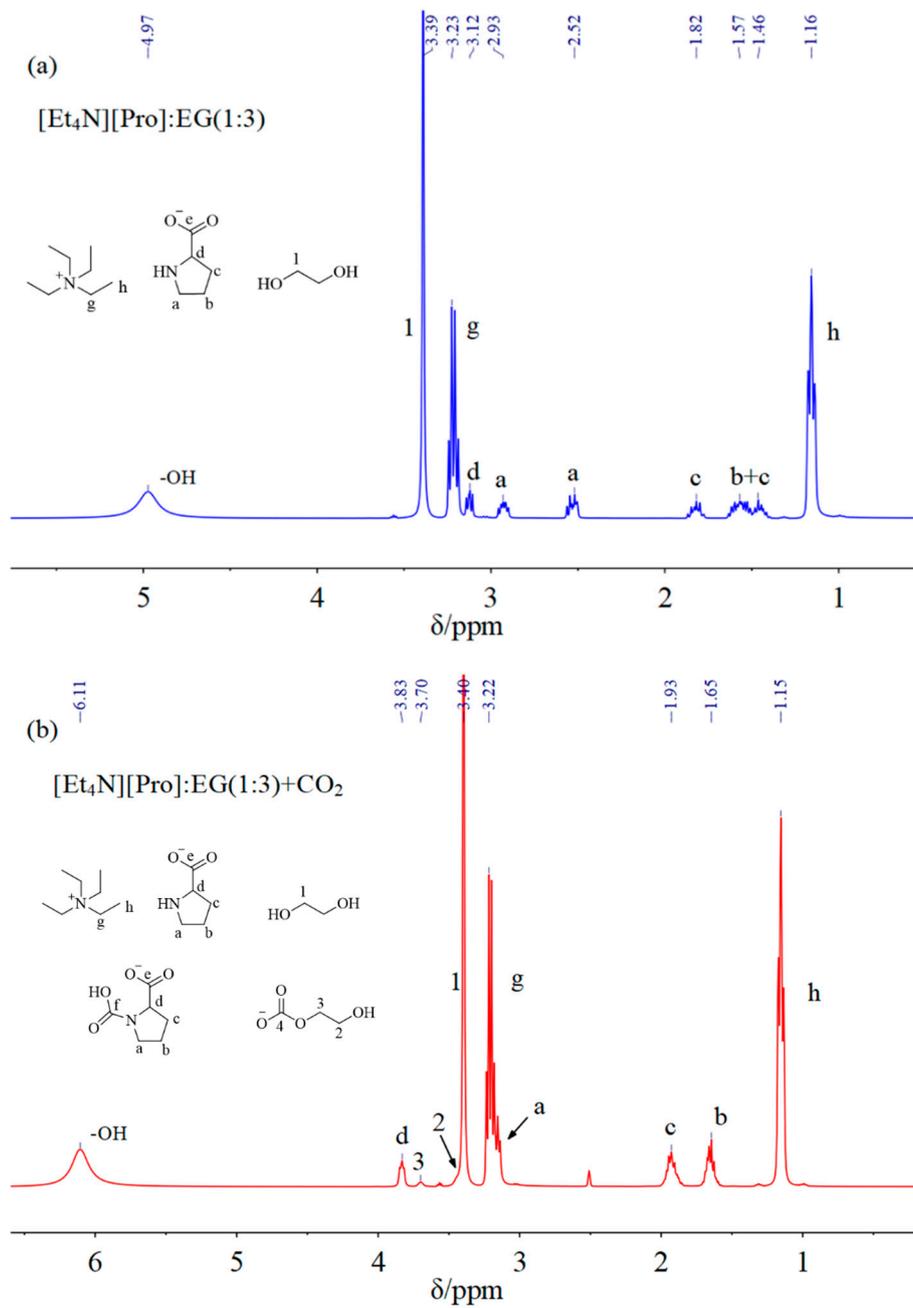
Figures S7. The ¹H NMR spectra of [Ch][Pro]:EG (1:4) before (a) and after (b) CO₂ capture.



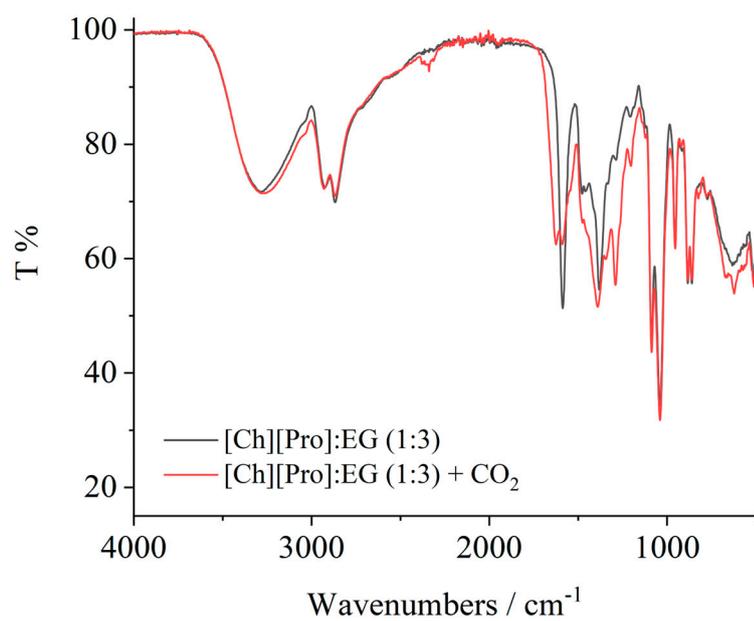
Figures S8. The ^1H NMR spectra of $[\text{Ch}][\text{Pro}]:\text{EG}(1:5)$ before (a) and after (b) CO_2 capture.



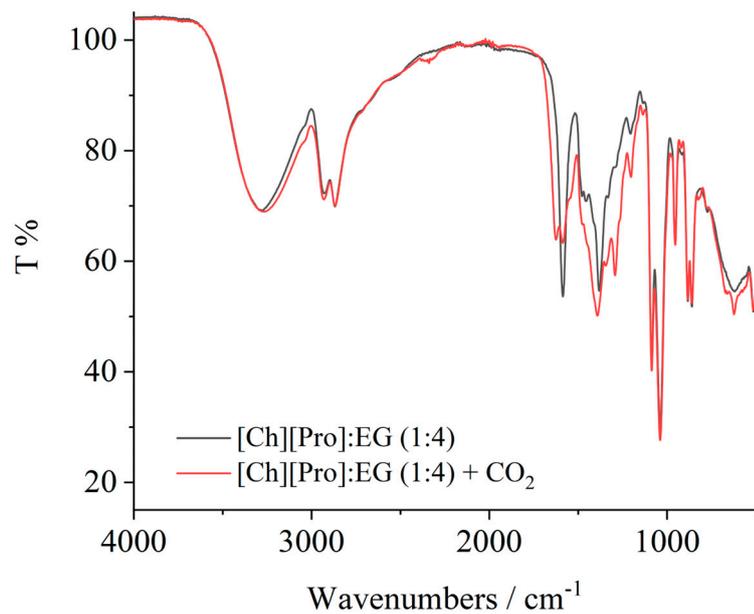
Figures S9. The ^1H NMR spectra of $[\text{Ch}][\text{Pro}]:\text{EG}$ (1:2) before (a) and after (b) CO_2 capture.



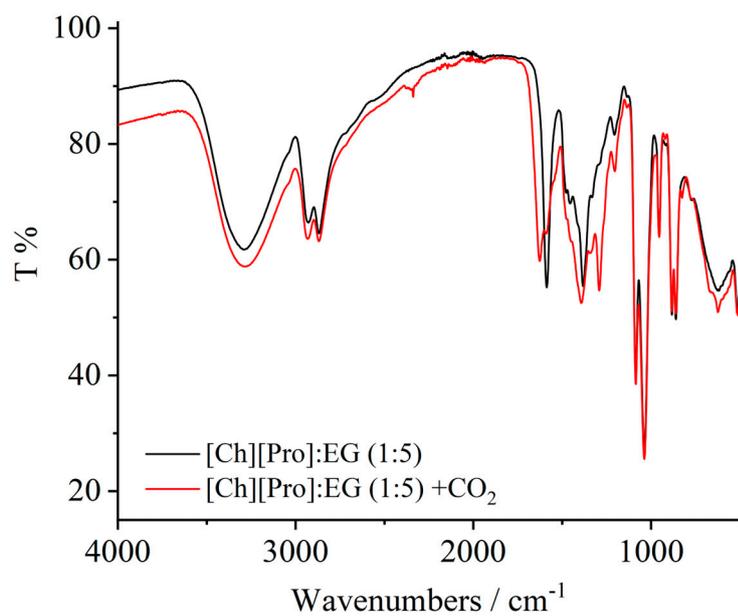
Figures S10. The ^1H NMR spectra of $[\text{Et}_4\text{N}][\text{Pro}]:\text{EG}(1:3)$ before (a) and after (b) CO_2 capture.



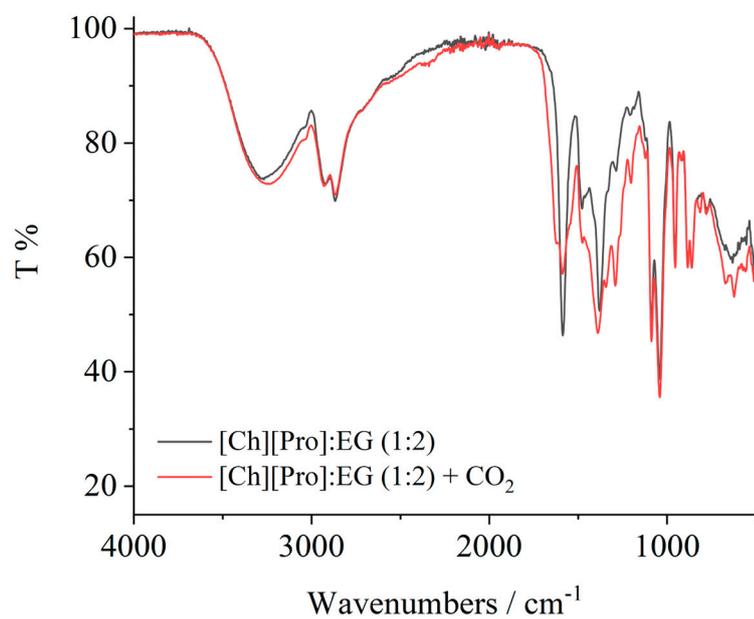
Figures S11. The FTIR spectra of [Ch][Pro]:EG (1:3) before and after CO₂ capture.



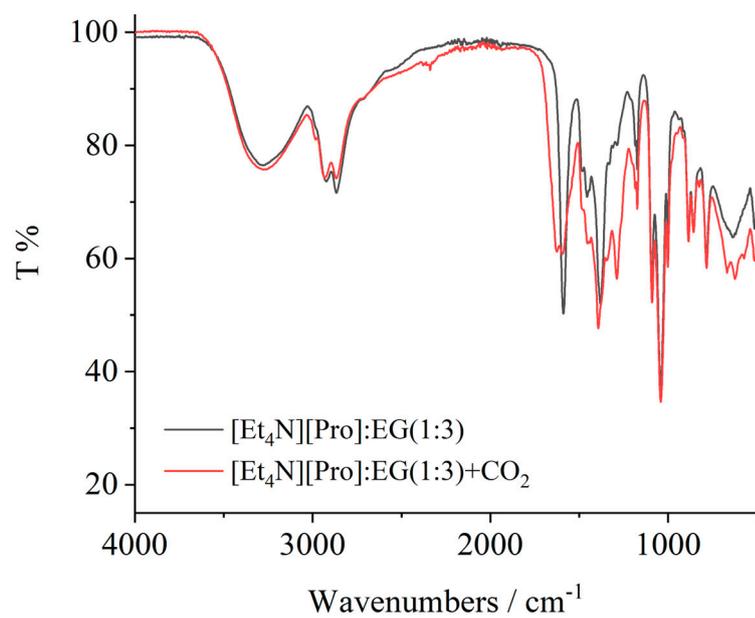
Figures S12. The FTIR spectra of [Ch][Pro]:EG (1:4) before and after CO₂ capture.



Figures S13. The FTIR spectra of [Ch][Pro]:EG (1:5) before and after CO₂ capture.



Figures S14. The FTIR spectra of [Ch][Pro]:EG (1:2) before and after CO₂ capture.



Figures S15. The FTIR spectra of [Et₄N][Pro]:EG (1:3) before and after CO₂ capture.