

Supporting Information

Does poly (ionic liquid) modulates the non-covalent interactions of hen egg white lysozyme: Elucidation of biomolecular Interactions between biomolecule and macromolecule solvent

Navin Kumar Mogha, Niketa Yadav, Anamika Sindhu and Pannuru Venkatesu*

Department of Chemistry, University of Delhi, Delhi - 110007, India

Table 1, Thermodynamic parameters for lysozyme interaction with PIL

| PIL Concentrations (mg/mL) | T_m | ΔC_p | Δ_uS (at T_m) |
|-----------------------------------|----------------------|-----------------------|--|
| Buffer | 342.08 | 0.39784 | 1.342 |
| 0.005 | 343.33 | 0.53223 | 2.297 |
| 0.01 | 344.15 | 0.79709 | 3.525 |
| 0.2 | 345.52 | 0.7243 | 4.1921 |
| 0.8 | 345.77 | 0.77109 | 3.7689 |
| 1 | 345.72 | 0.68677 | 3.792 |
| 1.5 | 345.57 | 0.72599 | 3.927 |
| 2 | 345.67 | 0.69156 | 3.9508 |
| 3 | 345.82 | 0.68732 | 4.2415 |

Crystal structure of Lysozyme

