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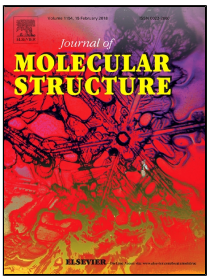

Isolation and Initial Structural Characterization of a 27 kDa Protein from *Zingiber officinale*

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Highlights

- A new protein of 27 kDa was isolated from ginger rhizomes (*Zingiber officinale* Roscoe).
- DLS analysis of the protein solution showed monodispersity, and monomeric state.
- CD spectroscopy revealed a β-sheet-rich protein and disordered regions.
- MALDI-TOF-MS, and LC-MS/MS analyses resulted in the identification of a 27.29 kDa protein.
- *Ab-initio* model was calculated based on the SAXS scattering intensity distribution.