

Selective DMSO-Induced Conformational Changes in Proteins from Raman Optical Activity

Andrea N. L. Batista,^{a,b‡} Joao M. Batista Jr,^{*a,b‡} Vanderlan S. Bolzani,^b Maysa Furlan^b and Ewan W. Blanch^{*a}

^aManchester Institute of Biotechnology and Faculty of Life Sciences, University of Manchester, 131 Princess street, Manchester M1 7DN (UK)

^bDepartamento de Química Orgânica, Univ. Estadual Paulista - UNESP R. Francisco Degni 55, Araraquara 14800-900 (Brazil)

Electronic Supplementary Information (ESI)

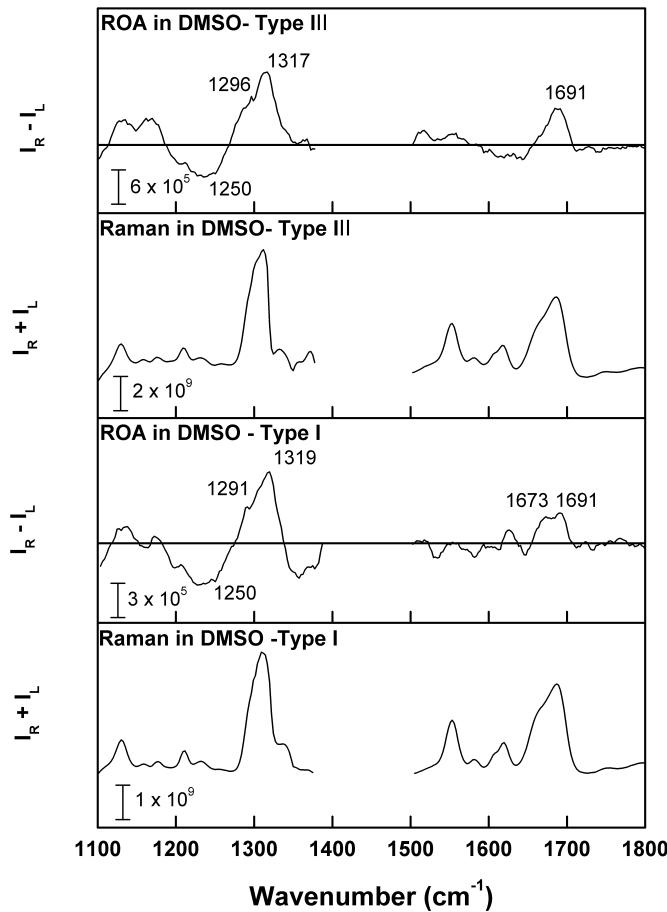


Fig S1. Raman and ROA spectra of α -lactalbumin Types I (holo) and III (apo) in DMSO at 30mg/mL. The deleted spectral region corresponds to overlapping signals from DMSO HCH deformation modes. The Raman spectrum of pure DMSO was subtracted from the parent Raman spectrum. α -lactalbumin Types I and III were purchased from Sigma-Aldrich (UK) and used without further purification. For experimental conditions, please see manuscript.