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**Supplymentary Information Section** 

Interaction of Serum Albumins with Fluorescent Ligand 4-Azido Coumarin: Spectroscopic Analysis and Molecular Docking Studies

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**Fig. S1: (A)** Absorbance spectra of BSA (10  $\mu$ M) at 298 K with varying concentration of 4-AC; curves (a-k) represents 0, 0.3, 0.55, 0.8, 1.0, 1.2, 1.5, 1.7, 2.0, 2.2 and 2.5  $\mu$ M of 4-AC respectively in aqueous phosphate buffer (pH 7). (B) Absorbance spectra of HSA (5  $\mu$ M) at 298 K with varying concentration of 4-AC; curves (a-h) represents 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7  $\mu$ M of 4-AC respectively in aqueous phosphate buffer (pH 7).

 Table S1: Circular Dichroism data of free serum albumins and their complexes with the
 ligand 4-AC in different molar ratios.

System	MRE at 222nm	% α -helix
	(degcm <sup>2</sup> dmol <sup>-1</sup> )	
Free BSA (1.13 µM)	-141.519	63
HSA-4-4C (1:0.4)	-141.942	62
HSA-4-4C (1:1.5)	-144.273	64
HSA-4-4C (1:3.2)	-143.0	63
Free HSA (0.23 µM)	-22.971	52
HSA-4-4C (1:0.4)	-23.148	51
HSA-4-4C4C (1:1.5)	-22.168	50
HSA-4-4C (1:3.2)	-22.145	49