**S1 Table**. This table shows percentage change in the secondary structure upon addition of different concentration of withanolide and withanoside drugs.

|  |  |  |  |
| --- | --- | --- | --- |
|  **Secondary Structures (%)** |  **α-Helix** |  **β-Turn** |  **Random Coil** |
|  **HSA** | 58.40±2.5 | 13.1±0.62 | 16.30±0.82 |
|  **HSA + withanolide A (2μM)** | 66.40±2.5 | 12.0±0.65 | 13.20±0.82 |
|  **HSA + withanolide A (4μM)** | 67.50±2.43 | 11.8±0.62 | 12.30±0.90 |
|  **HSA + withanolide A (6μM)** | 69.30±2.5 | 11.7±0.66 | 11.2±0.83 |
|  **HSA + withanolide B (2μM)** | 66.91±2.63 | 12.0±0.62 | 13.2±0.82 |
|  **HSA + withanolide B (4μM)** | 68.31±2.53 | 11.7±0.71 | 12.1±0.86 |
|  **HSA + withanolide B (6μM)** | 70.54±2.5 | 10.3±0.62 | 11.8±0.80 |
|  **HSA + withanoside IV(2μM)** | 57.8±2.47 | 13.3±0.64 | 16.3±0.90 |
|  **HSA + withanoside IV(4μM)** | 64.9±2.56 | 13.1±0.63 | 16.7±0.87 |
|  **HSA + withanoside IV(6μM)** | 66.8±2.5 | 12.8±0.62 | 17.8±0.83 |
|  **HSA + withanoside V(2μM)** | 58.8±2.3 | 13±0.62 | 15.3±0.84 |
|  **HSA + withanoside V(4μM)** | 60.7±2.4 | 12.8±0.71 | 16.7±0.85 |
|  **HSA + withanoside V(6μM)** | 61.5±2.3 | 12.9±0.63 | 18.3±0.87 |