

# Supplementary Materials

## Synthesis, Characterization and Host-Guest Complexation of Asplatin: Improved *In-vitro* Cytotoxicity and Biocompatibility As Compared to Cisplatin

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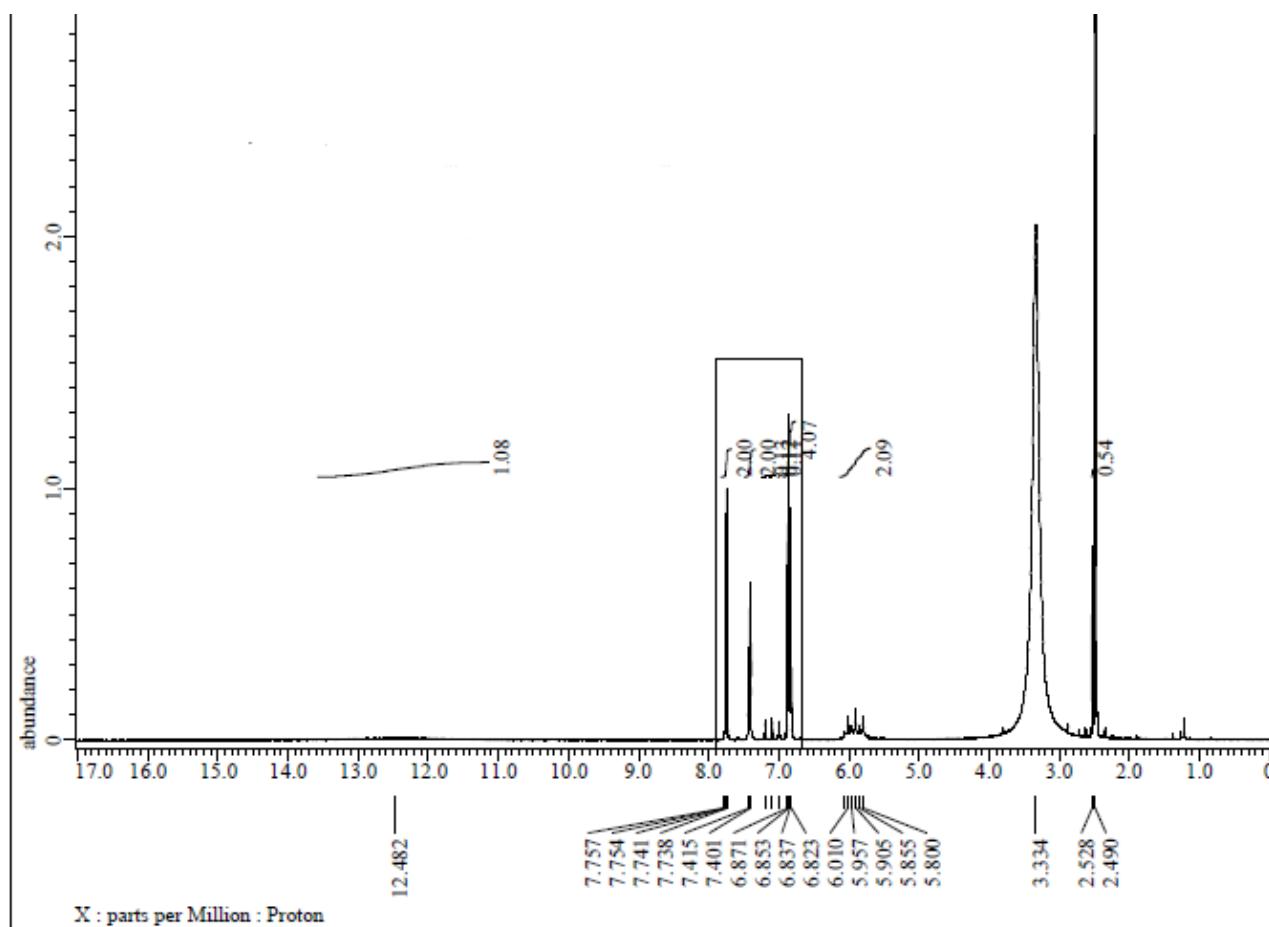
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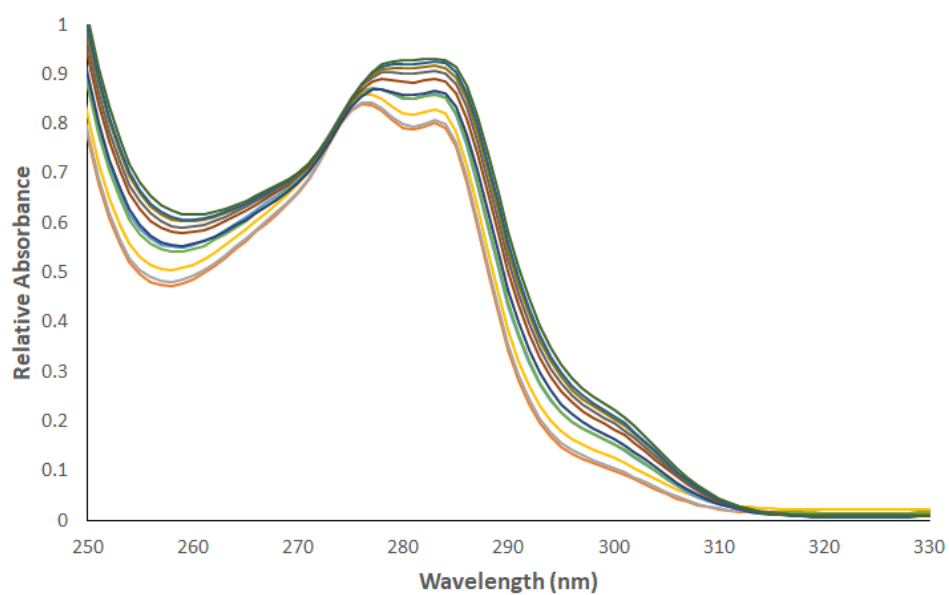
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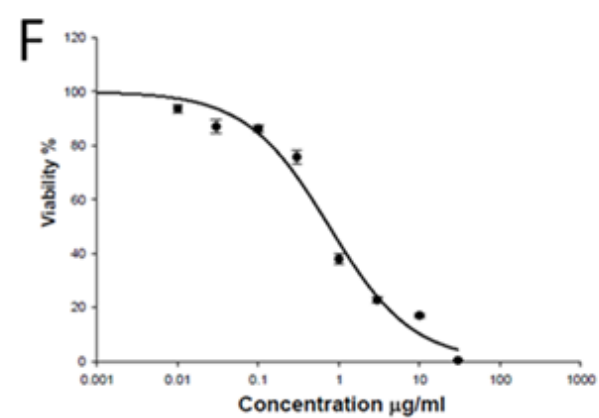
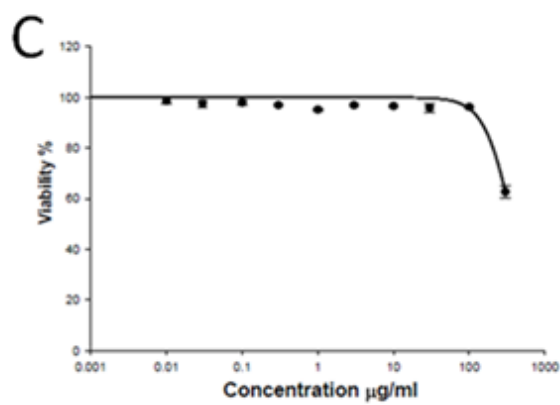
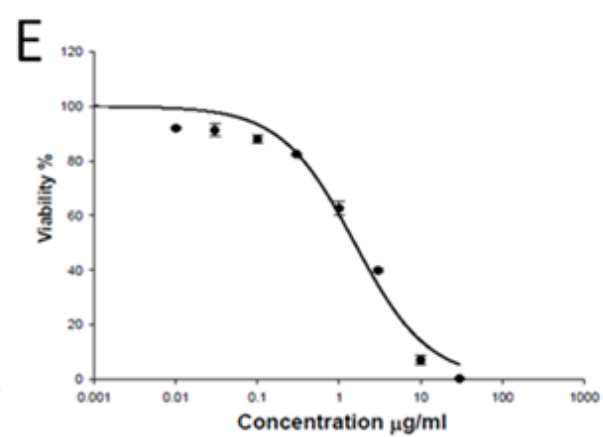
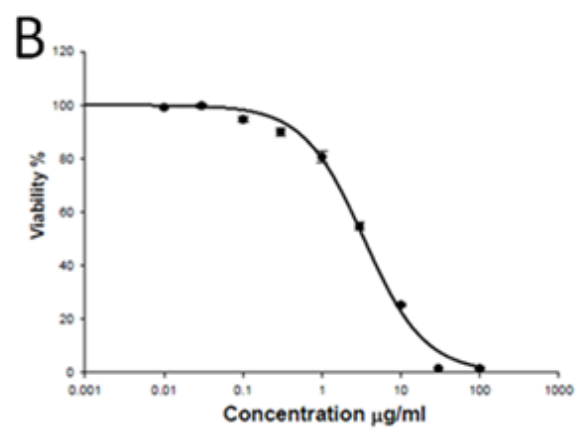
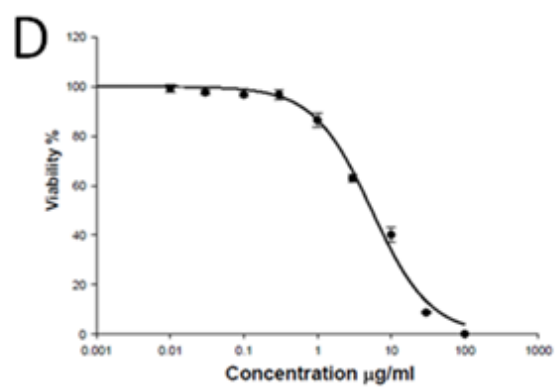
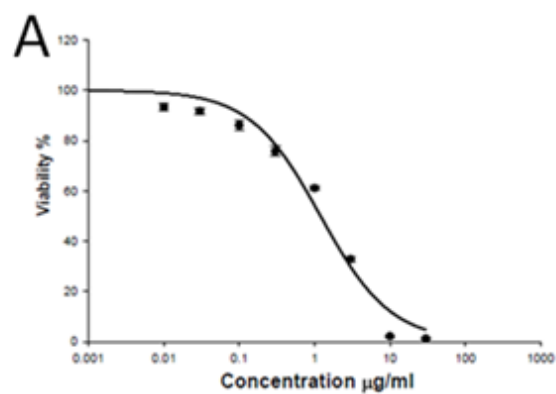
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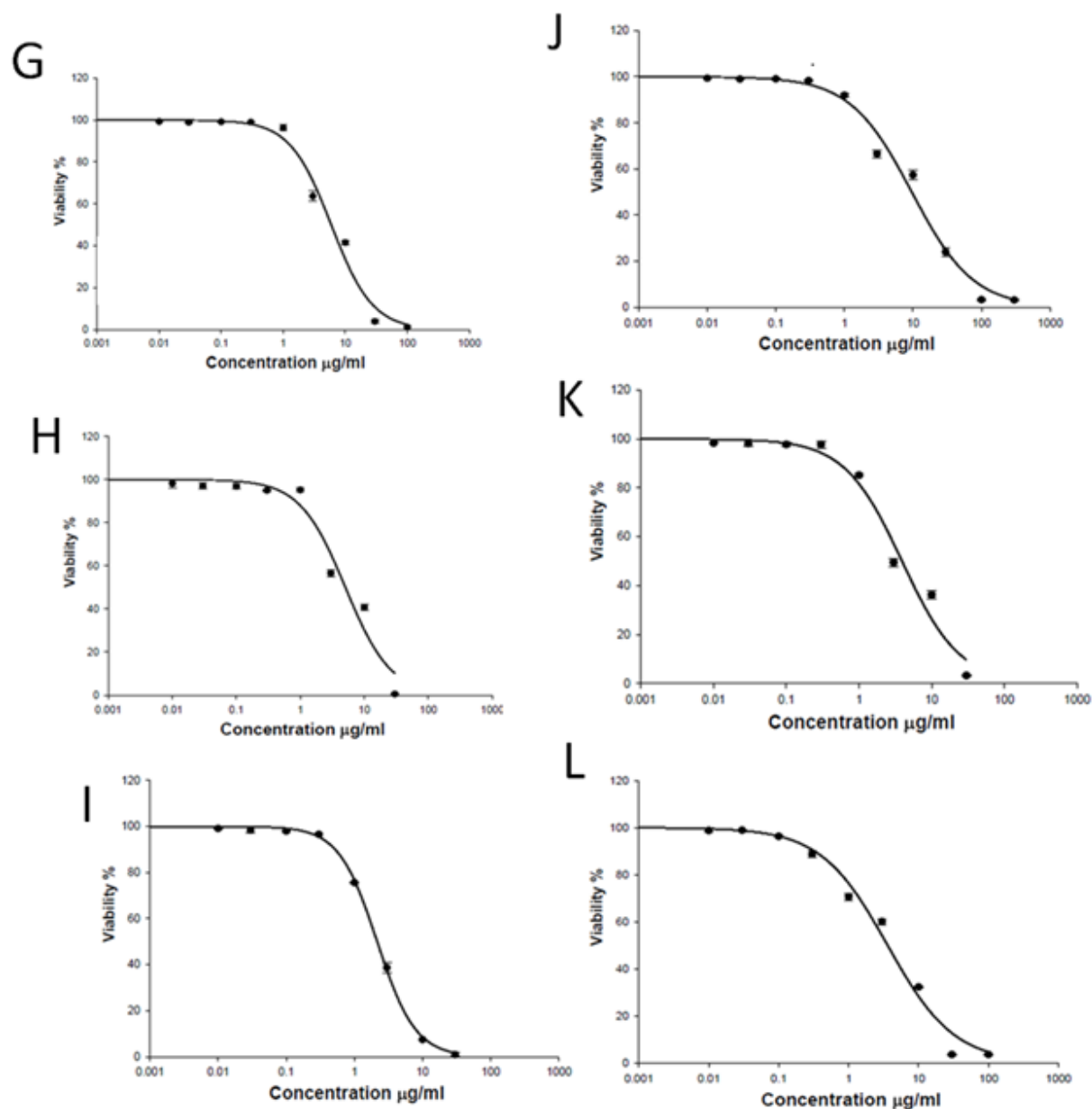


**Figure S1.**  $^1\text{H}$ -NMR characterization of Asplatin/PSC4 Complex.



**Figure S2.** Absorbance spectra of several mixtures containing serially increasing concentrations of asplatin (0.01–0.25 mM) and a fixed concentration of 0.2 mM PSC4.





**Figure S3.** Concentration-dependent effects of cisplatin, Asplatin, and Asplatin/PSC4 on the cellular viability of (A-C) human skin fibroblasts, (D-F) MCF-7 cells, (G-I) HeLa cells, and (J – L) A-549 cells, respectively (after 48 h of treatment). All experiments were carried out in triplicates, and the mean values were calculated. Error bars represent  $\pm$  standard deviation.