

Figure S1. Linear correlation plots between actual and predicted values for **(a)** Y_1 response, **(b)** Y_2 response, **(c)** Y_3 response, **(d)** Y_4 response, **(e)** Y_5 response, **(f)** Y_6 response.

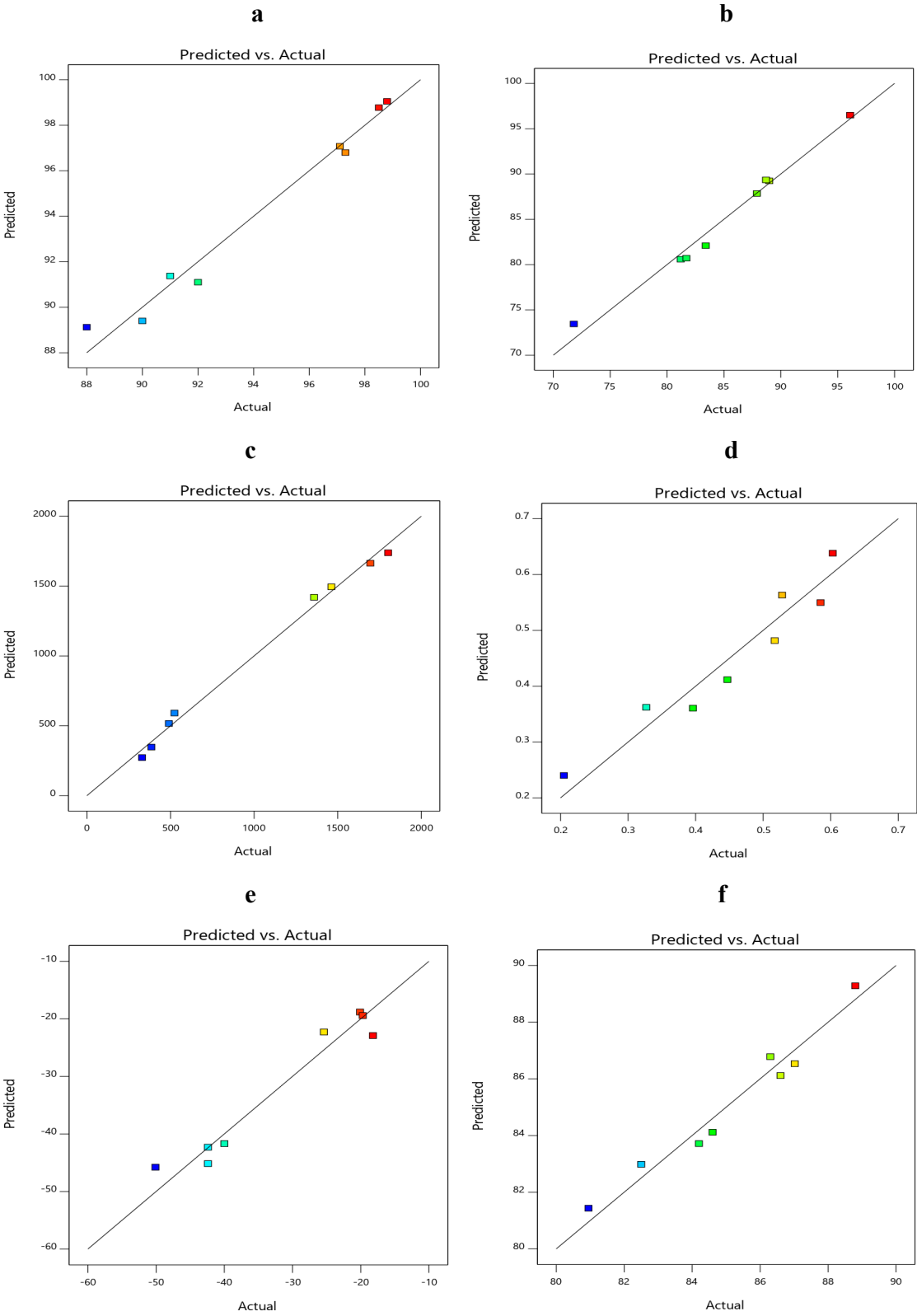


Figure S2. PS and ZP of IVM-loaded PLs formulations. **(a)** PS of SPC based IVM-Loaded PLs, **(b)** PS of DPPC based IVM-Loaded PLs, **(c)** ZP of SPC based IVM-Loaded PLs, **(d)** ZP of DPPC based IVM-Loaded PLs.

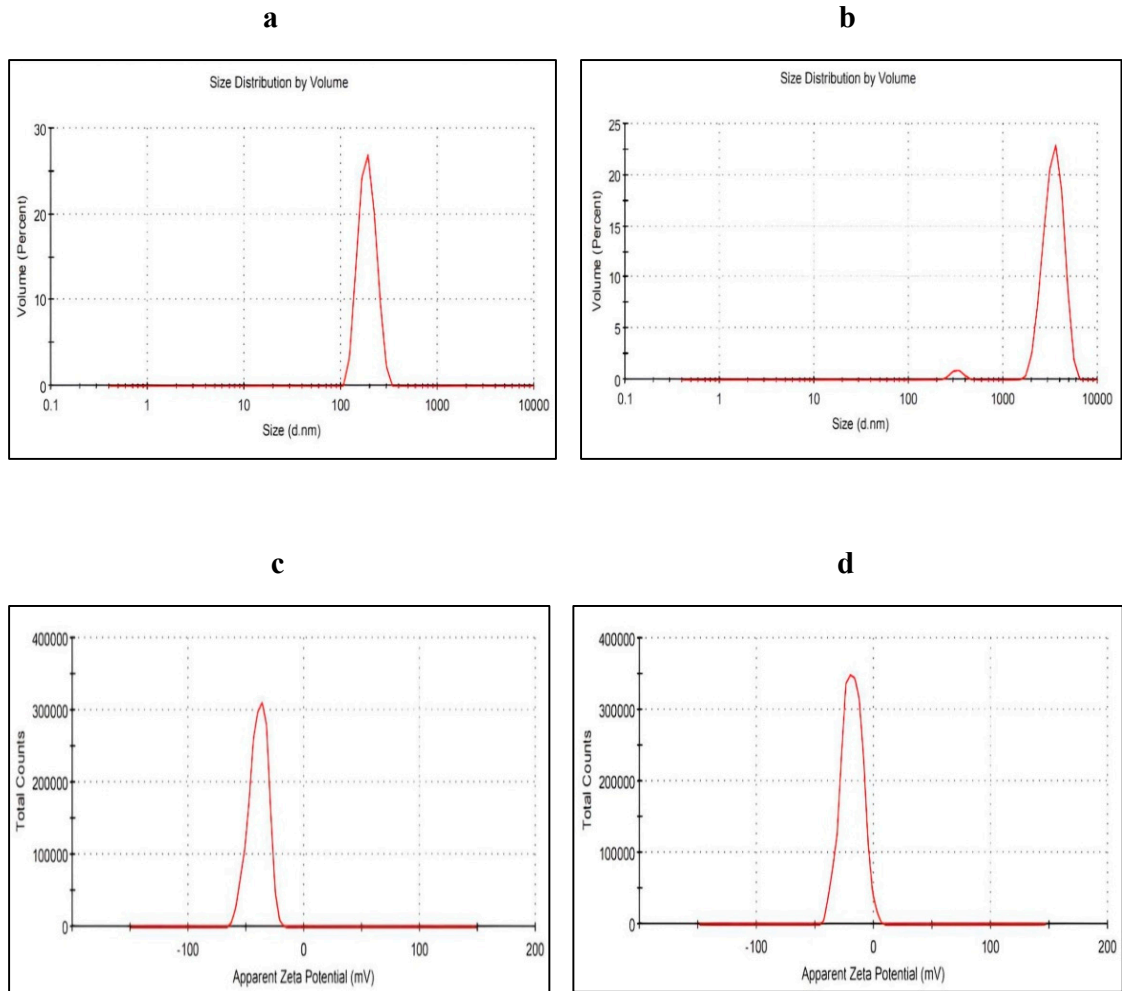


Figure S3. In-vitro drug release profiles of IVM-loaded PLs formulations ($n=3\pm SD$).

