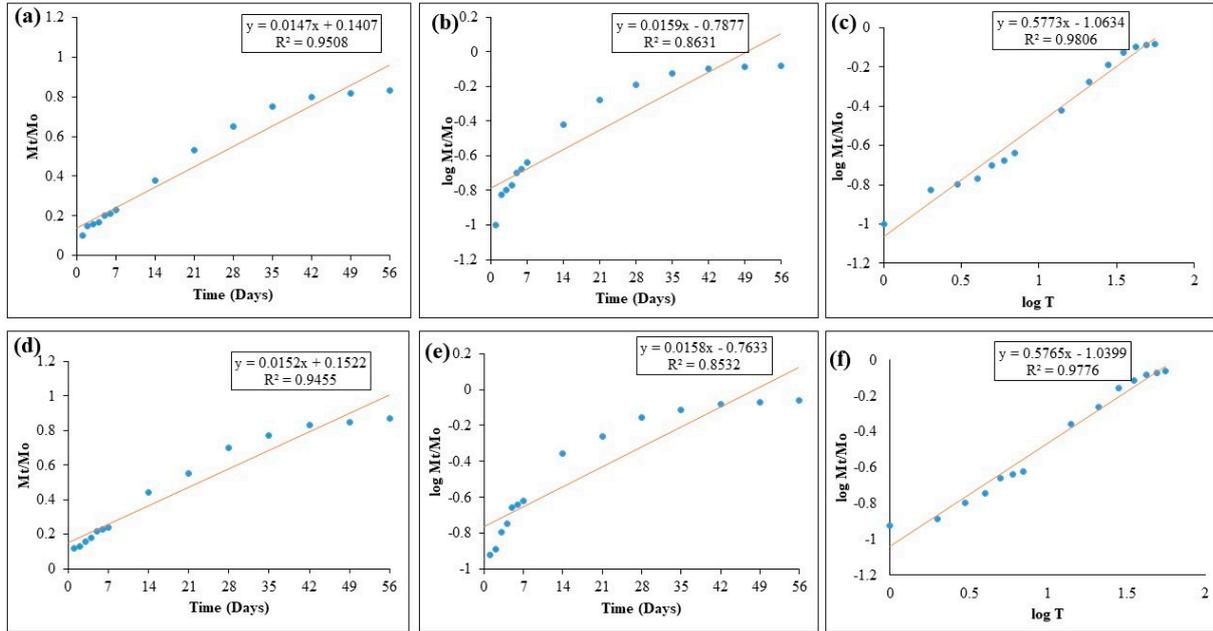
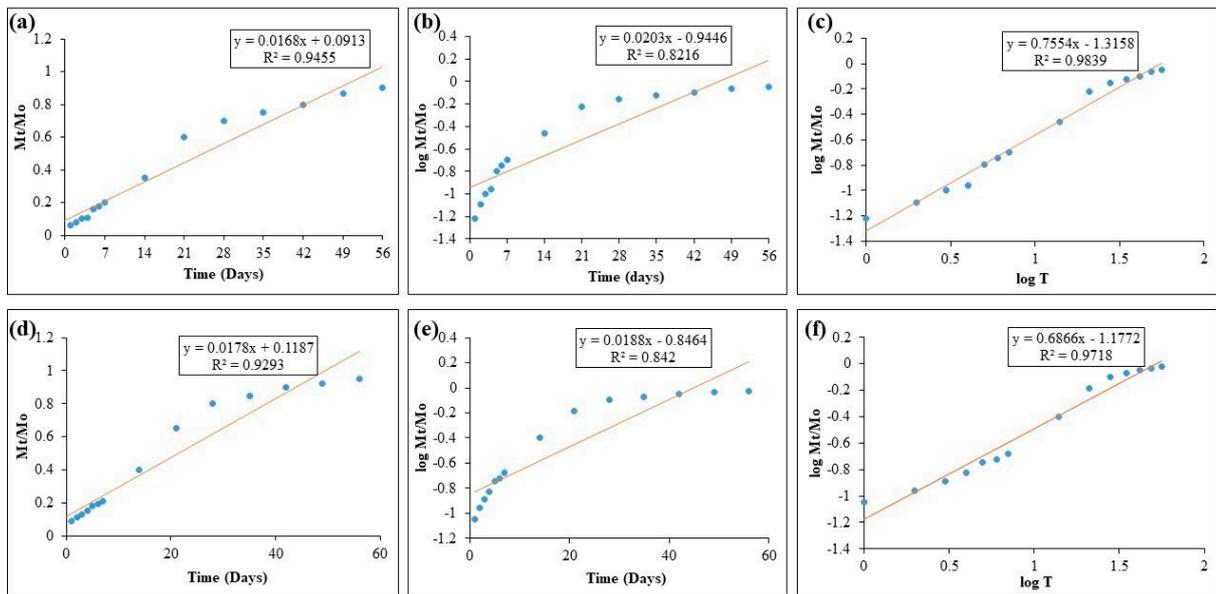


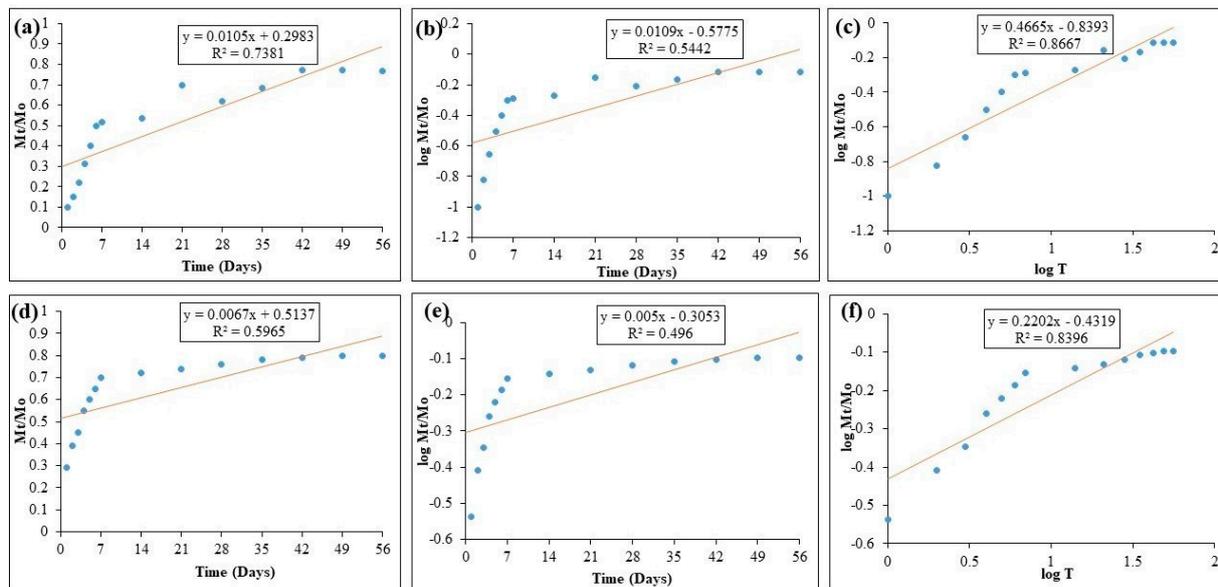
## Supplementary Data for Drug Release Kinetics



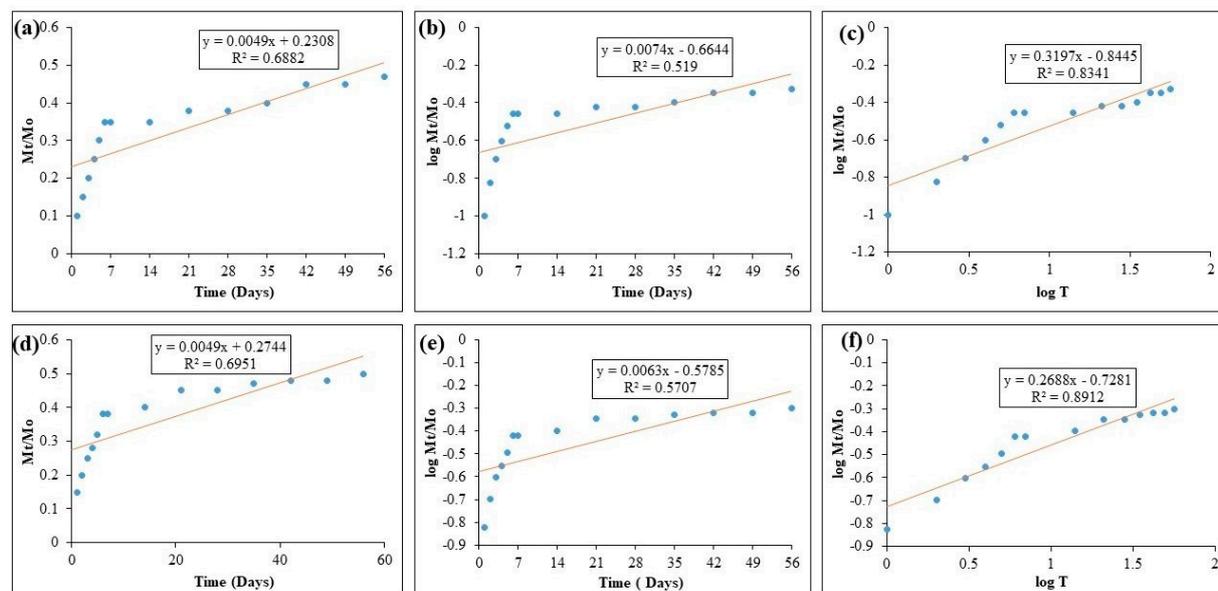
**Figure S1.** The drug release kinetics models in PBS; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for NTX loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for NTX loaded LMW-CS IH.



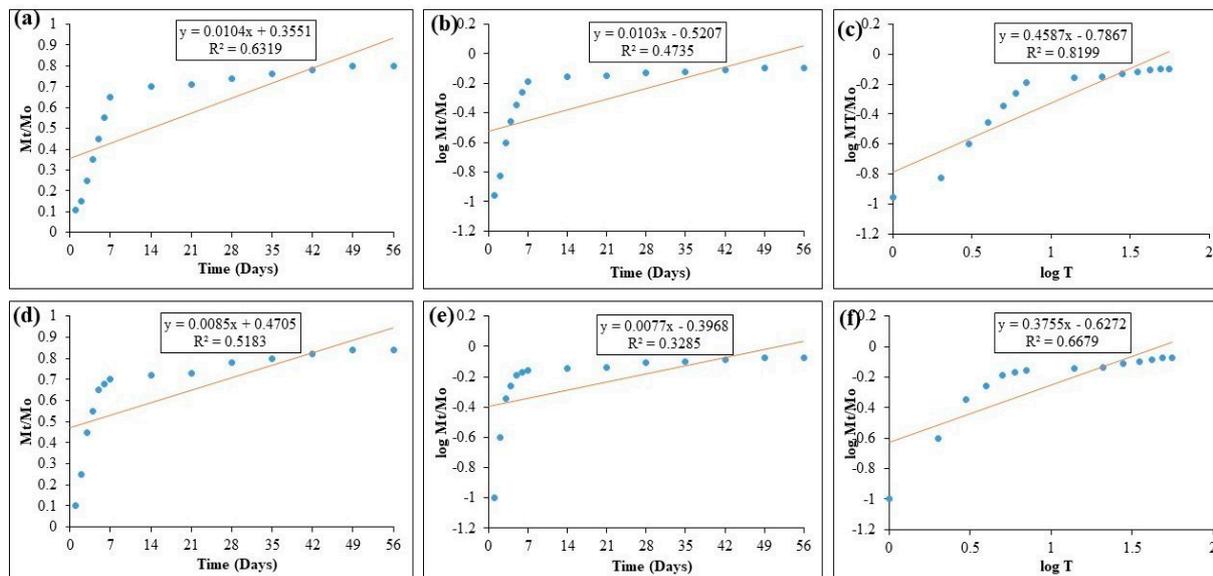
**Figure S2.** The drug release kinetics models in PBS; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for DSF loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for DSF loaded LMW-CS IH.



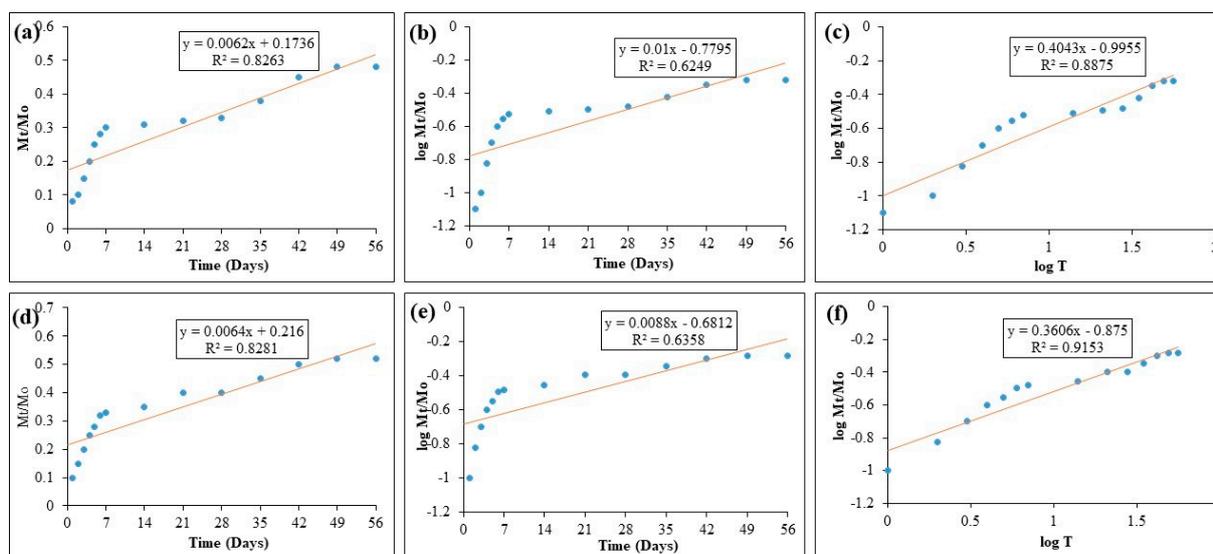
**Figure S3.** The drug release kinetics models in 0.3% ethanol; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for NTX loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for NTX loaded LMW-CS IH



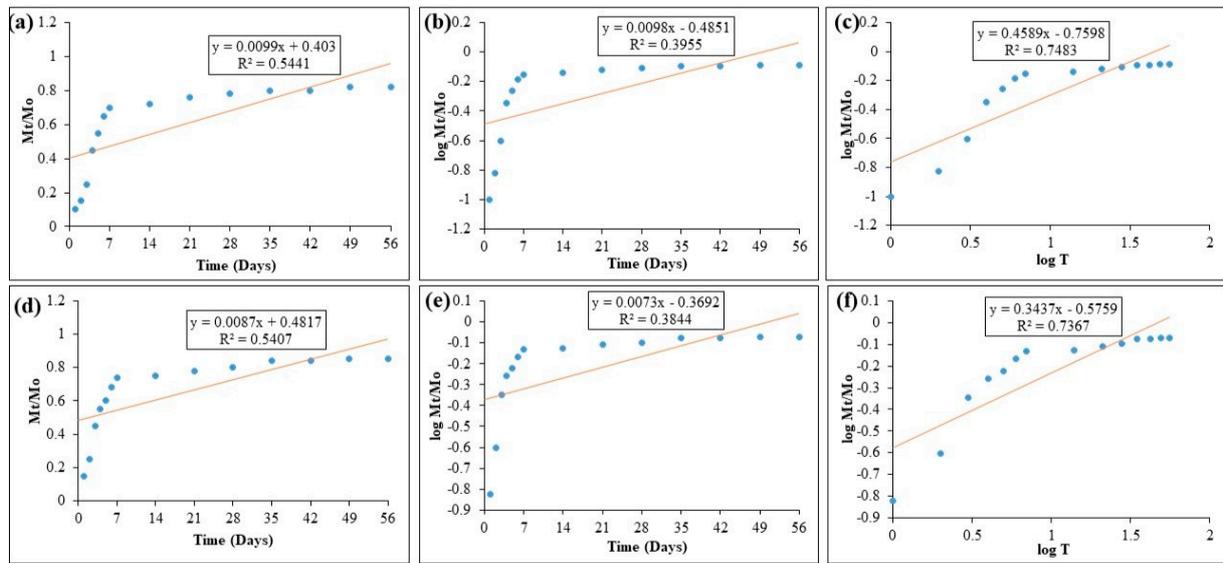
**Figure S4.** The drug release kinetics models in 0.3% ethanol; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for DSF loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for DSF loaded LMW-CS IH.



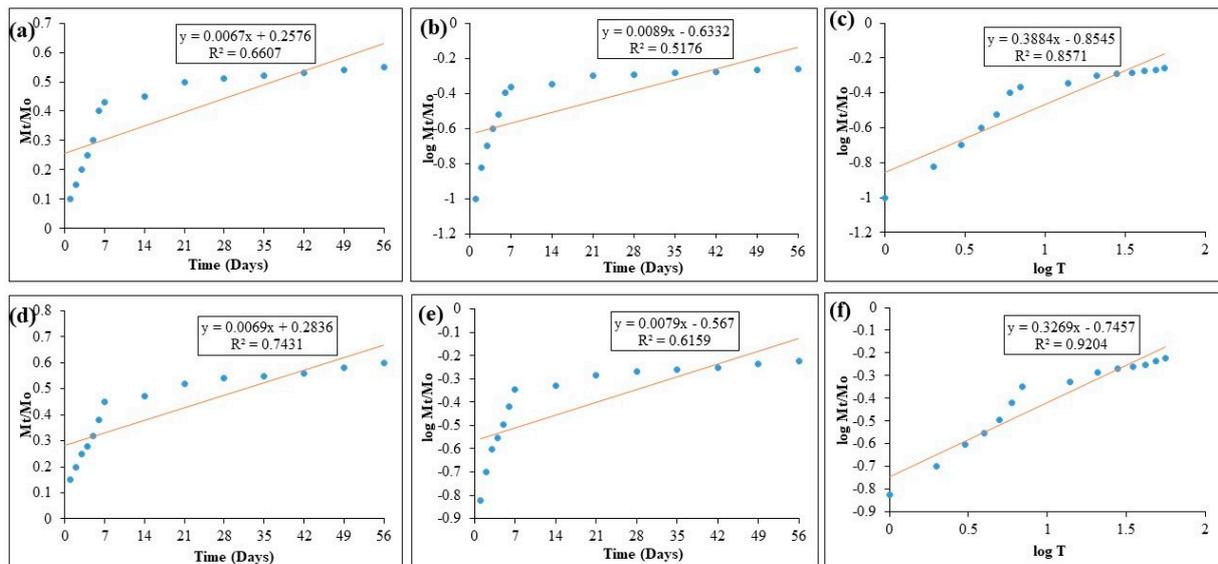
**Figure S5.** The drug release kinetics models in 0.4% ethanol; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for NTX loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for NTX loaded LMW-CS IH.



**Figure S6.** The drug release kinetics models in 0.4% ethanol; (a) zero-order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for DSF loaded HMW-CS IH, and (d) zero-order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for DSF loaded LMW-CS IH.



**Figure S7.** The drug release kinetics models in 0.5% ethanol; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for NTX loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for NTX loaded LMW-CS IH.



**Figure S8.** The drug release kinetics models in 0.5% ethanol; (a) zero order kinetics, (b) first order kinetics, and (c) Korsmeyer-Peppas model for DSF loaded HMW-CS IH, and (d) zero order kinetics, (e) first order kinetics, and (f) Korsmeyer-Peppas model for DSF loaded LMW-CS IH.