

Effect of solvents, stabilizers and concentration of stabilizers on the physical properties of Poly (D, L-lactide-co-glycolide) nanoparticles: Encapsulation, *in vitro* release of Indomethacin and cytotoxicity against HepG2-cell

Musaed Alkholief ¹, Mohd Abul Kalam ¹, Md Khalid Anwer ², Aws Alshamsan ^{1, *}

¹*Nanobiotechnology Unit, Department of Pharmaceutics, College of Pharmacy, King Saud University, PO Box-2457, Riyadh-11451, Saudi Arabia; malkholief@ksu.edu.sa (MA), makalam@ksu.edu.sa (MAK)*

²*Department of Pharmaceutics, College of Pharmacy, Prince Sattam Bin Abdulaziz University, Al-Kharj-11942, Saudi Arabia; m.anwer@psau.edu.sa (KA)*

Corresponding author email ID: aalshamsan@ksu.edu.sa (Prof. Aws Alshamsan)

Figure S1. Different kinetic model plots for PLGA-NPs-1 (prepared with 1%, w/v PVA as stabilizer and CHCl₃ as organic solvent) (A) and PLGA-NPs-2 (prepared with 3%, w/v PVA as stabilizer and CHCl₃ as organic solvent) (B)

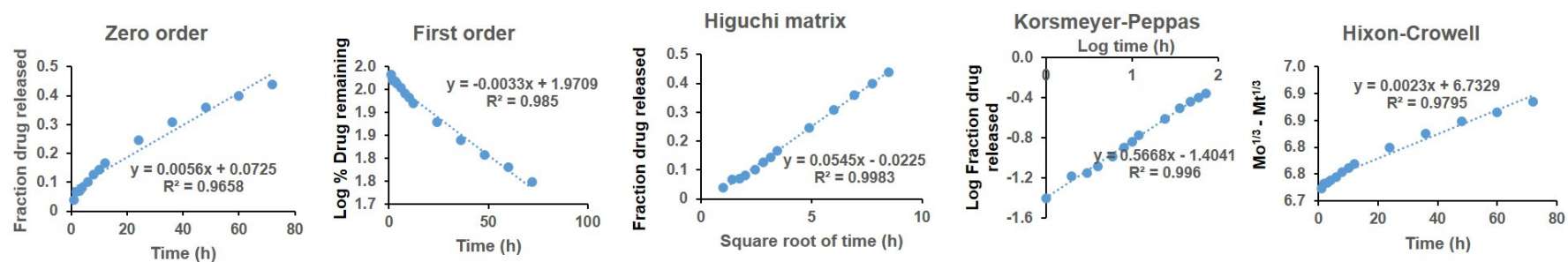
Figure S2. Different kinetic model plots for PLGA-NPs-5 (prepared with 1%, w/v PVA as stabilizer and DCM as organic solvent) (A) and PLGA-NPs-6 (prepared with 3%, w/v PVA as stabilizer and DCM as organic solvent) (B)

Figure S3. Different kinetic model plots for PLGA-NPs-9 (prepared with 1%, w/v PVP as stabilizer and CHCl₃ as organic solvent) (A) and PLGA-NPs-10 (prepared with 3%, w/v PVP as stabilizer and CHCl₃ as organic solvent) (B)

Figure S4. Different kinetic model plots for PLGA-NPs-13 (prepared with 1%, w/v PVP as stabilizer and DCM as organic solvent) (A) and PLGA-NPs-14 (prepared with 3%, w/v PVP as stabilizer and DCM as organic solvent) (B)

Figure S1

(A) 1%, w/v PVA as stabilizer and CHCl_3 as organic solvent



(B) 3%, w/v PVA as stabilizer and CHCl_3 as organic solvent

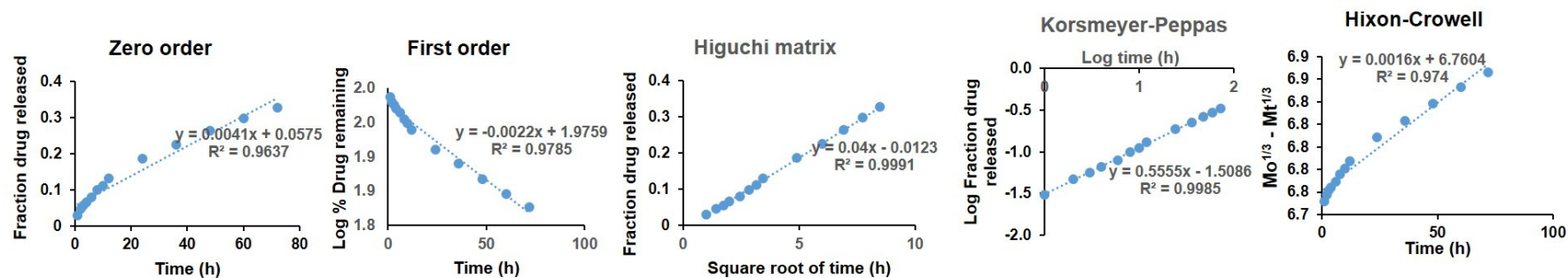
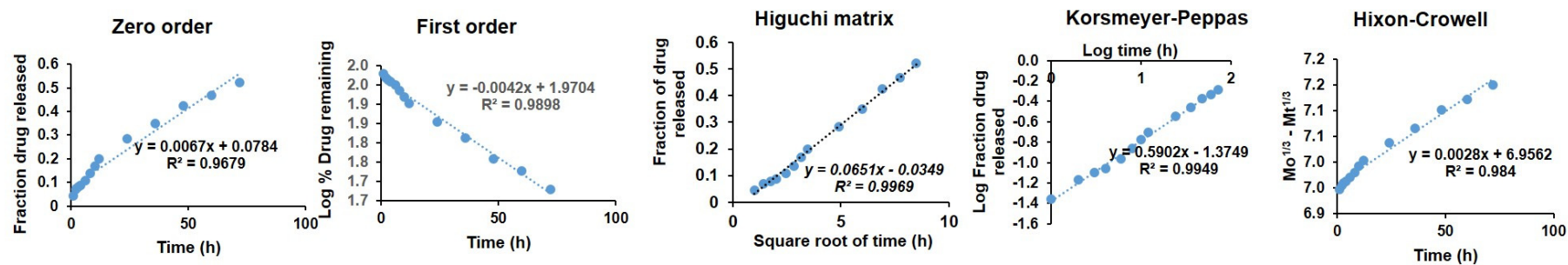


Figure S2

(A) 1%, w/v PVA as stabilizer and DCM as organic solvent



(B) 3%, w/v PVA as stabilizer and DCM as organic solvent

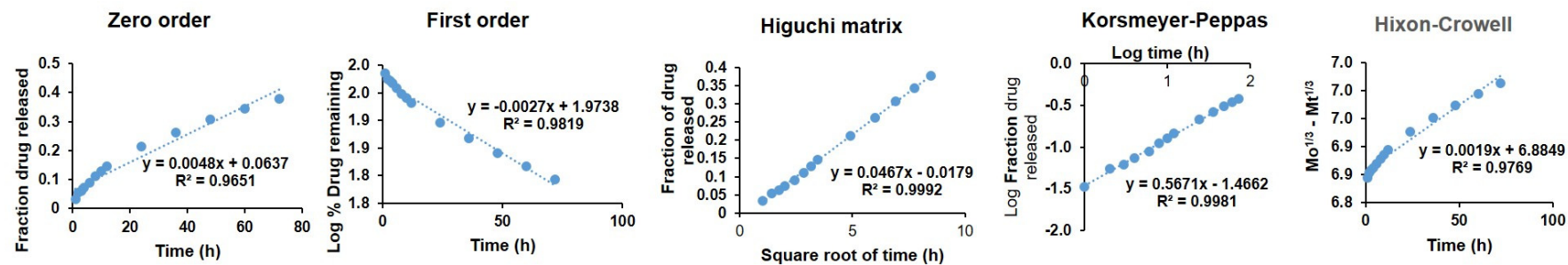
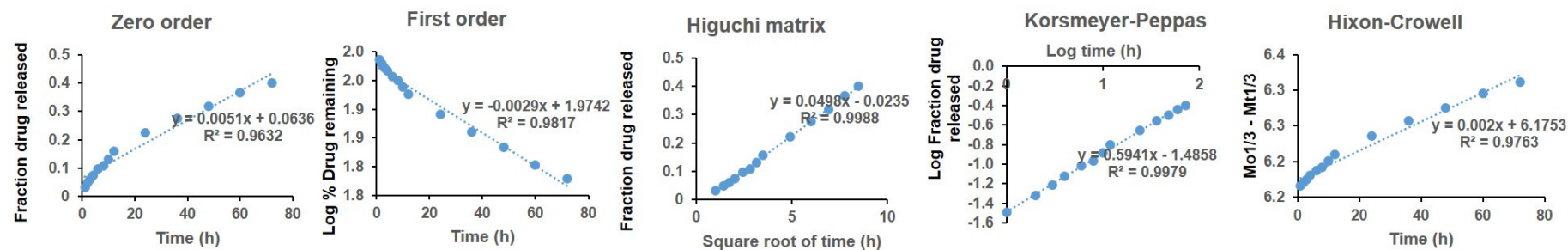


Figure S3

(A) 1%, w/v PVP as stabilizer and CHCl_3 as organic solvent



(B) 3%, w/v PVP as stabilizer and CHCl_3 as organic solvent

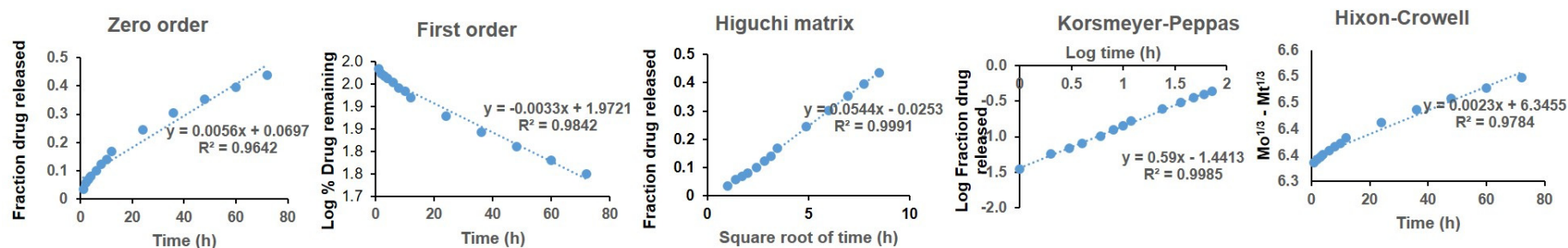
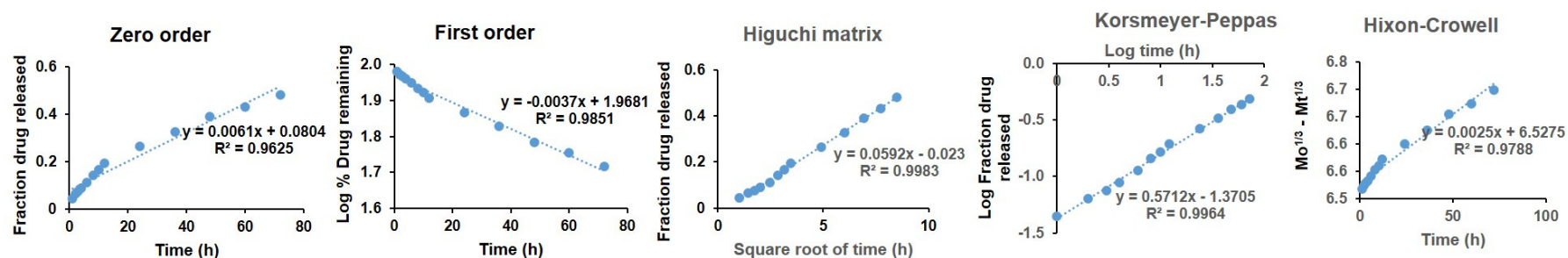


Figure S4

(A) 1%, w/v PVP as stabilizer and DCM as organic solvent



(B) 3%, w/v PVP as stabilizer and DCM as organic solvent

