

## Supporting Information

### Developing biodegradable nanoparticles loaded with mometasone furoate for potential nasal drug delivery

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**Figure S1.** Calibration curve of MF in methanol.

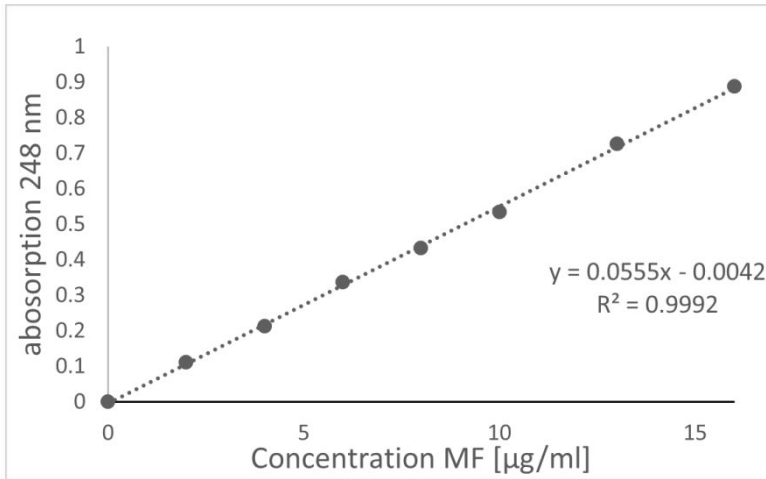
**Figure S2.** Calibration curves of MF in 1% SDS PBS solution of pH 6.4 (A) and pH 7.4 (B).

**Figure S3.** MF release from PLGA NPs after freeze-drying using 8% (w/v) sucrose at pH 7.4 fitted to kinetic models. (A) Korsmeyer-Peppas; (B) Higuchi; (C) Zero order; and (D) First order model.

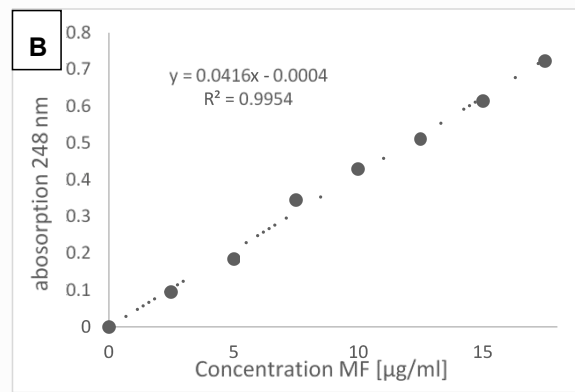
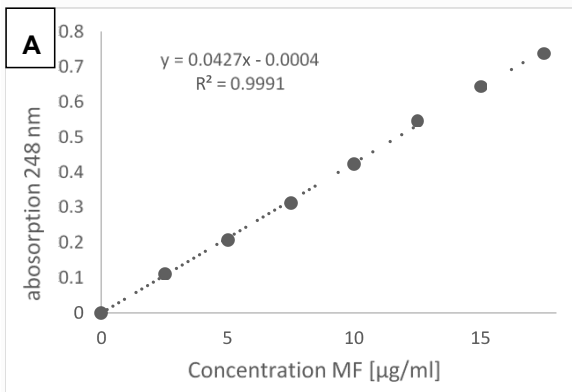
**Figure S4.** MF release from PLGA NPs after freeze-drying using 8% (w/v) sucrose at pH 6.4 fitted to kinetic models. (A) Korsmeyer-Peppas; (B) Higuchi; (C) Zero order; and (D) First order model.

**Figure S5.** MF release from PLGA NPs after freeze-drying using 8% (w/v) mannitol at pH 7.4 fitted to kinetic models. (A) Korsmeyer-Peppas; (B) Higuchi; (C) Zero order; and (D) First order model.

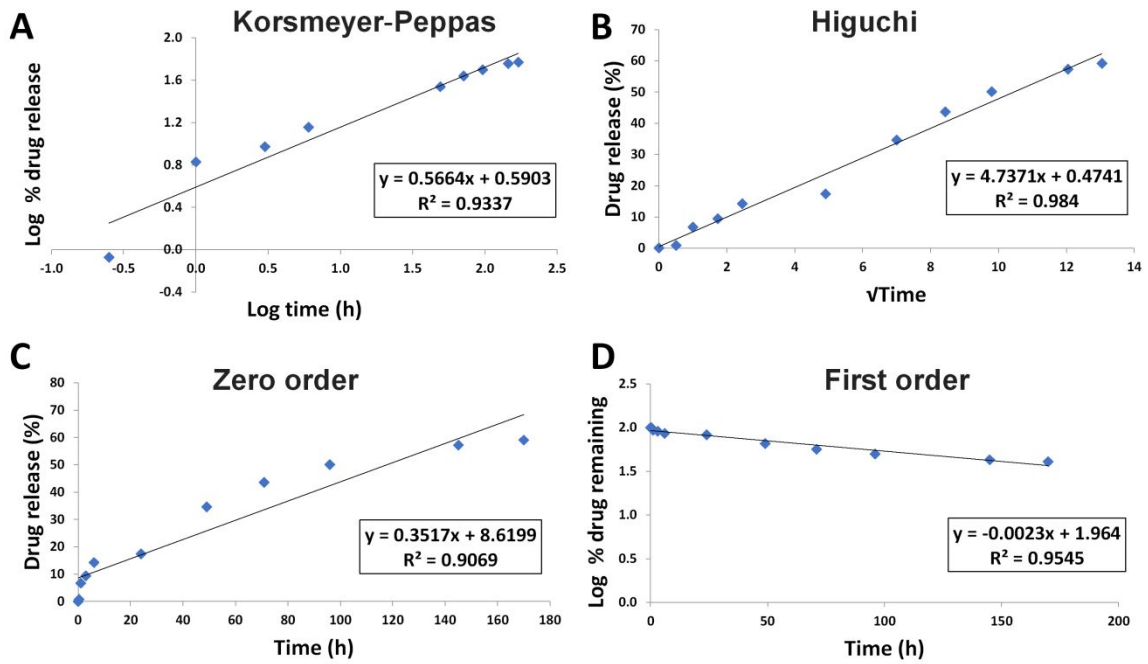
**Figure S6.** MF release from PLGA NPs after freeze-drying using 8% (w/v) mannitol at pH 6.4 fitted to kinetic models. (A) Korsmeyer-Peppas; (B) Higuchi; (C) Zero order; and (D) First order model.



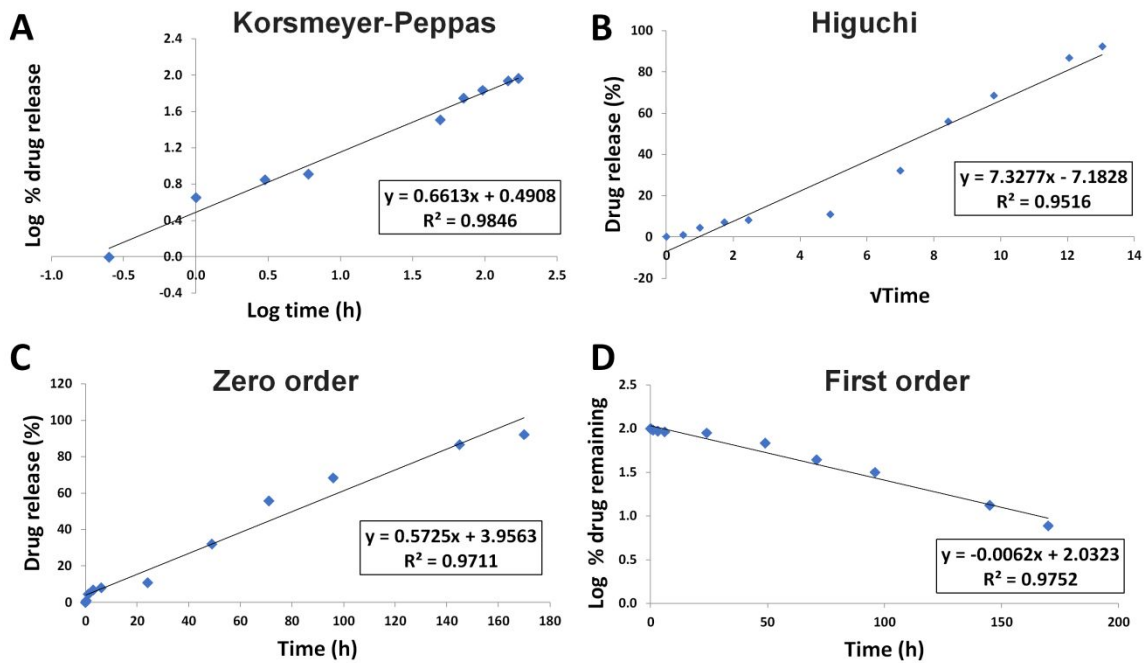
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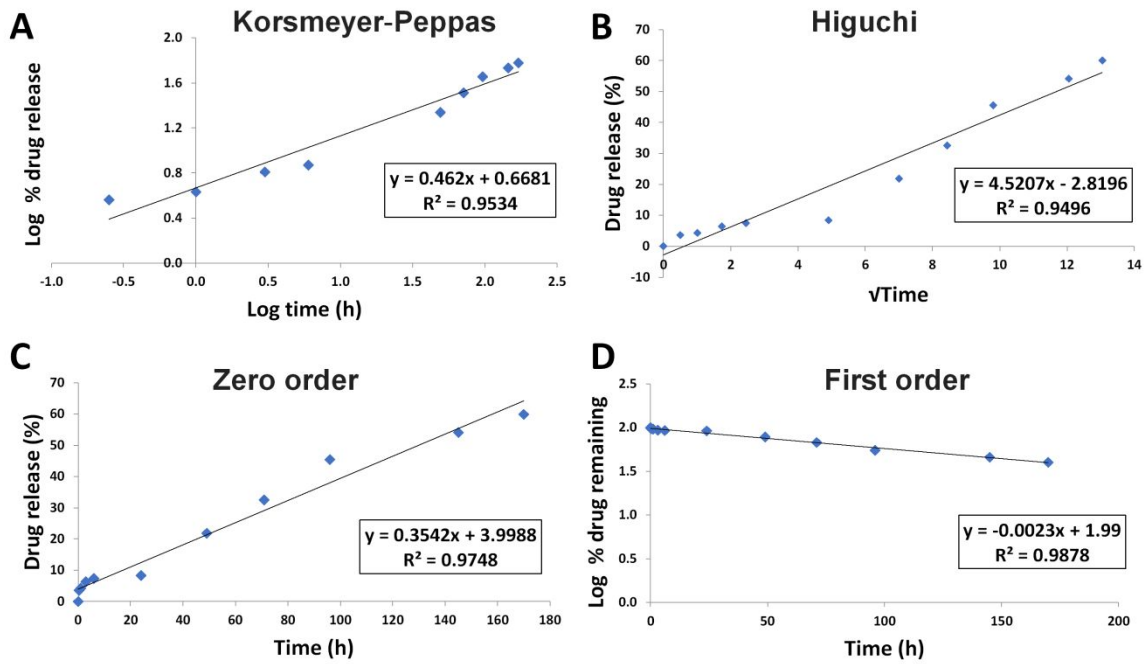
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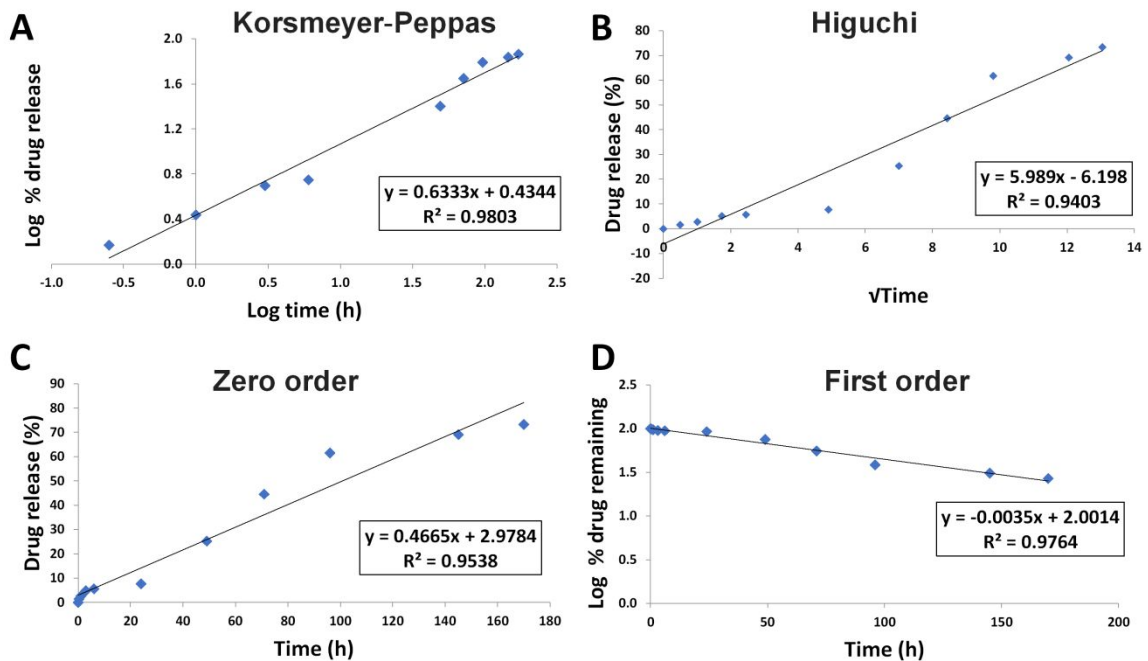
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