**Supplemental Table 1.** Regression linear equation and correlation coefficient (R2) of three different drug release kinetic models.

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| --- | --- |
| Formulation | Regression linear equation (R2) |
| **Zero order** | **First order** | **Higuchi** |
| **LCDN**  | y = 12.1x + 8.6 (0.96) | y = 0.2x + 0.86 (0.57) | y = 32.3x - 2.2 (0.98) |
| **LCDN-P** | y = 14.6x + 12.2 (0.96) | y = 0.2x + 0.92 (0.55) | y = 38.8x - 3.1 (0.99) |
| **LCDN-E** | y = 12.4x + 9.0 (0.97) | y = 0.2x + 0.86 (0.57) | y = 31.0x - 2.8 (0.98) |
| **LCDN-PE** | y = 11.9x + 8.6 (0.97) | y = 0.2x + 0.84 (0.58) | y = 30.0x - 1.5 (0.98) |