The Supplementary Materials include detailed kinetic modeling parameters (Table S1) for all investigated formulations

Table S1. Kinetic modeling parameters for all formulations. kH, Higuchi release constant; n, release exponent in the Korsmeyer–Peppas model. Higuchi fitting was performed using the full release profile, whereas Korsmeyer–Peppas fitting was performed for the initial release phase ($M_t/M_\infty \leq 0.6$).

Formulation	Higuchi kH	Higuchi R^2	Peppas n	Peppas R^2
S1	0.299	0.981	0.806	0.998
S2	0.194	0.998	0.761	0.991
S3	0.149	0.906	0.461	0.927
S4	0.138	0.981	0.636	0.974
S5	0.092	0.981	0.636	0.974
S6	0.080	0.998	0.761	0.991
S7	0.082	0.981	0.636	0.974
S8	0.076	0.981	0.636	0.974
S9	0.052	0.906	0.461	0.927
S10	0.072	0.981	0.636	0.974
S11	0.062	0.998	0.761	0.991
S12	0.059	0.906	0.461	0.927
T1	0.299	0.981	0.806	0.998
T2	0.271	0.998	0.831	0.997
T3	0.266	0.906	0.770	1.000
T4	0.299	0.981	0.806	0.998
T5	0.296	0.981	0.806	0.998
T6	0.265	0.998	0.831	0.997
T7	0.286	0.981	0.806	0.998
T8	0.277	0.981	0.781	0.996
T9	0.251	0.906	0.769	1.000
T10	0.279	0.981	0.781	0.996
T11	0.252	0.998	0.816	0.996
T12	0.248	0.906	0.770	1.000
P1	0.134	0.981	0.636	0.974
P2	0.123	0.998	0.761	0.991
P3	0.136	0.906	0.461	0.927
P4	0.147	0.981	0.636	0.974
P5	0.152	0.981	0.636	0.974
P6	0.189	0.998	0.761	0.991
P7	0.222	0.981	0.712	0.989
P8	0.201	0.981	0.654	0.979
P9	0.163	0.906	0.481	0.938
P10	0.171	0.981	0.636	0.974
P11	0.142	0.998	0.761	0.991
P12	0.130	0.906	0.461	0.927