

S1 *In vitro* release rate profile with model kinetics.

Formulation	Zero order		First order		Higuchi		Peppas	
	R^2	K	R^2	K	R^2	K	R^2	n
CA-1S	0.998	0.222	0.711	0.001303	0.929	4.546	0.992	0.325
CA-2S	0.998	0.235	0.699	0.001302	0.930	4.805	0.994	0.328
CA-3S	0.996	0.252	0.665	0.001302	0.937	5.186	0.995	0.330
CT-1S	0.998	0.223	0.710	0.001303	0.929	4.559	0.992	0.325
CT-2S	0.998	0.236	0.698	0.001303	0.914	10.05	0.994	0.328
CT-3S	0.991	0.248	0.705	0.006513	0.909	10.38	0.994	0.330
CAT-1S	0.996	0.225	0.661	0.001303	0.911	10.53	0.995	0.331
CAT-2S	0.998	0.237	0.695	0.001303	0.931	4.860	0.994	0.328
CAT-3S	0.956	0.231	0.506	0.001303	0.986	4.637	0.972	0.326
CA-1C	0.998	0.215	0.632	0.001737	0.918	4.371	0.985	0.324
CA-2C	0.998	0.220	0.728	0.001303	0.916	9.674	0.988	0.324
CA-3C	0.997	0.224	0.698	0.001303	0.928	4.583	0.993	0.323
CT-1C	0.998	0.216	0.737	0.001303	0.918	4.393	0.986	0.324
CT-2C	0.998	0.221	0.727	0.001303	0.921	4.495	0.989	0.325
CT-3C	0.997	0.225	0.695	0.001303	0.912	9.863	0.993	0.323
CAT-1C	0.997	0.217	0.712	0.001303	0.913	9.649	0.992	0.322
CAT-2C	0.998	0.220	0.715	0.001303	0.923	4.486	0.991	0.323
CAT-3C	0.997	0.227	0.693	0.001303	0.929	4.637	0.994	0.324
CA-1X	0.997	0.230	0.683	0.001303	0.912	9.962	0.995	0.356
CA-2X	0.997	0.237	0.682	0.001303	0.713	45.17	0.995	0.327
CA-3X	0.995	0.250	0.655	0.001303	0.706	47.01	0.996	0.330
CT-1X	0.997	0.230	0.715	0.006947	0.912	9.971	0.995	0.325
CT-2X	0.997	0.237	0.712	0.006513	0.663	33.01	0.995	0.327
CT-3X	0.995	0.250	0.796	0.006513	0.911	10.43	0.995	0.330
CAT-1X	0.997	0.231	0.678	0.001303	0.935	4.750	0.995	0.325
CAT-2X	0.997	0.238	0.678	0.001303	0.911	10.15	0.995	0.327
CAT-3X	0.995	0.252	0.653	0.001303	0.942	5.207	0.995	0.330
PLAIN	0.997	0.161	0.730	0.001303	0.946	3.324	0.984	0.307

CA= CLZ+BHA; CT= CLZ+BHT; CAT= CLZ+BHA+BHT; S= SDS; C= CTAB; X= TX100