Formulation		FR (24h)	d2-d7 slope	EE	zeta potential		PDI	DOP	Mn	Tm (Drug)	water solubility
20:80 CPH:SA 5% DOX	0.878	0.921	3.11275E-05	0.649	-24.2	295.0	0.11606438	29.34	15385	201	630
20:80 CPH:SA 10% DOX 20:80 CPTEG:CPH 5% DOX	0.878	0.928	0.000682253	0.451	-19.9	290.2	0.0944491	29.34	15385	201	630
20:80 CPTEG:CPH 5% DOX 20:80 CPTEG:CPH 10% DOX	0.810	0.816	0.000267517	0.519	16.1	187.0	0.13094153	16.69	5902	201	630
20:80 CPH:SA 5% DOX	0.821	0.871	0.001030157	0.493	-24.2	295.0	0.11606438	29.34	15385	201	630
20:80 CPH:SA 3% DOX	0.870	0.882	0.001050157	0.349	-24.2	293.0	0.0944491	29.34	15385	201	630
20:80 CPTEG:CPH 5% DOX	0.752	0.328	0.000255805	0.549	-13.5	188.8	0.11068015	16.69	5902	201	630
20:80 CPTEG:CPH 10% DOX	0.798	0.827	0.000407385	0.415	10.8	198.0	0.09410895	16.69	5902	201	630
20:80 CPH:SA 5% RIF	0.355	0.669	0.019842283	0.267	-21.2	326.8	0.12999352	29.34	15385	183	1400
20:80 CPTEG:CPH 5% RIF	0.622	0.762	0.014603834	0.613	-32.4	183.3	0.1262826	16.69	5902	183	1400
20:80 CPH:SA 5% RIF	0.315	0.721	0.019558135	0.385	-21.2	326.8	0.12999352	29.34	15385	183	1400
20:80 CPTEG:CPH 5% RIF	0.665	0.855	0.005726169	1.127	-13.9	164.8	0.10765556	16.69	5902	183	1400
20:80 CPH:SA 20% CAM	0.866	0.907	0.002788729	0.654	-28.8	330.1	0.09645677	29.34	15385	171	2500
20:80 CPTEG:CPH 20% CAM	0.766	0.782	0.000547523	1.235	-36.5	177.3	0.10820173	16.69	5902	171	2500
20:80 CPTEG:CPH 20% CAM	0.821	0.838	0.000423089	1.117	-36.5	177.3	0.10820173	16.69	5902	171	2500
20:80 CPH:SA 20% CAM	0.886	0.927	0.001916802	0.598	-28.8	330.1	0.09645677	29.34	15385	171	2500
20:80 CPH:SA 5% PZA	0.171	0.276	0.021718991	0.493	-21.5	282.3	0.11965848	29.34	15385	192	1.50E+04
20:80 CPTEG:CPH 5% PZA	0.057	0.086	0.008793703	0.897	-24.1	216.3	0.10769206	16.69	5902	192	1.50E+04
20:80 CPH:SA 5% PZA	0.298	0.449	0.021676638	0.349	-32.8	317.7	0.09466064	29.34	15385	192	1.50E+04
20:80 CPTEG:CPH 5% PZA	0.268	0.313	0.006047673	1.169	-35.1	181.5	0.12303395	18.47	6499	192	1.50E+04
20:80 CPH:SA 10% DOX	0.843	0.856	0.01784599	0.410	-16.4	300.1	0.14238195	66.18		201	630
20:80 CPH:SA 9% DOX	0.876	0.885	0.014484272	0.516	-10.4	302.3	0.15598785	66.18	14715	201	630
20:80 CPH:SA 8% DOX	0.785	0.822	0.017440928	0.656	-7.46	329.0	0.13393998	66.18		201	630
20:80 CPH:SA 7% DOX	0.823	0.860	0.01375275	0.686	-19.3	352.0	0.1488103	66.18	14715	201	630
20:80 CPH:SA 6% DOX	0.829	0.855	0.015909071	0.768	-14.7	343.2	0.14415255	66.18		201	630
20:80 CPH:SA 5% DOX	0.865	0.882	0.014097678	0.895	-20.1	346.3	0.14633586	66.18		201	630
20:80 CPH:SA 4% DOX	0.763	0.795	0.022073666	0.876	-13.6	337.2	0.15620233	66.18	14715	201	630
20:80 CPH:SA 3% DOX 20:80 CPH:SA 2% DOX	0.785	0.807	0.021288819	1.074	-17	344.8	0.14393289	66.18		201	630
20:80 CPH:SA 2% DOX 20:80 CPH:SA 1% DOX	0.764	0.792	0.022058247	1.305	-18.9	342.4 324.5	0.14448117 0.14340887	66.18 66.18		201	630
20:80 CPH:SA 1% DOX 20:80 CPTEG:CPH 10% DOX	0.675	0.905	0.029634541	0.574	-7.96	324.5	0.08952265	17.71	6230	201	630
20:80 CPTEG:CPH 10% DOX	0.836	0.900	0.000223847	0.574	-0.24	100.0	0.11657572	17.71	6230	201	630
20:80 CPTEG:CPH 8% DOX	0.823	0.300	0.000418826	0.488	-6.01	1/3.3	0.10179907	17.71	6230	201	630
20:80 CPTEG:CPH 7% DOX	0.760	0.833	0.001562307	0.642	-6.12	165.0	0.10244058	17.71	6230	201	630
20:80 CPTEG:CPH 6% DOX	0.656	0.731	0.001318373	0.714	-3.44	177.3	0.09540602	17.71	6230	201	630
20:80 CPTEG:CPH 5% DOX	0.736	0.794	0.000230922	0.583	-5.95	167.3	0.09709577	17.71	6230	201	630
20:80 CPTEG:CPH 4% DOX	0.709	0.777	0.000136467	0.636	-7.1	163.3	0.08765737	17.71	6230	201	630
20:80 CPTEG:CPH 3% DOX	0.546	0.646	0	0.524	-6.21	157.5	0.0797639	17.71	6230	201	630
20:80 CPTEG:CPH 2% DOX	0.422	0.558	0.001648516	0.463	-13.6	157.5	0.08989265	17.71	6230	201	630
20:80 CPTEG:CPH 1% DOX	0.329	0.462	0.000816278	0.716	-6.24	171.3	0.10018658	17.71	6230	201	630
20:80 CPH:SA 10% RIF	0.410	0.574	0.048640198	0.196	-17.3	298.3	0.12142294	66.18	14715	183	1400
20:80 CPH:SA 9% RIF	0.417	0.620	0.039920326	0.207	-17.4	329.0	0.15660778	66.18	14715	183	1400
20:80 CPH:SA 8% RIF	0.327	0.420	0.067948568	0.176	-23.3	351.9	0.1414808	66.18		183	1400
20:80 CPH:SA 7% RIF	0.412	0.616	0.039087381	0.255	-16.9	352.6	0.15262713	66.18		183	1400
20:80 CPH:SA 6% RIF	0.332	0.418	0.068454099	0.207	-18.1	345.2	0.12222125	66.18		183	1400
20:80 CPH:SA 5% RIF	0.345	0.446	0.066219621	0.230	-24.3	350.0	0.13065327	66.18		183	1400
20:80 CPH:SA 4% RIF 20:80 CPH:SA 3% RIF	0.274	0.347	0.062373003 0.069931257	0.245	-17.3	359.5	0.13344125 0.12454902	66.18 66.18	14715 14715	183	1400
20:80 CPH:SA 3% RIF	0.240	0.335	0.05983363	0.305	-20.6	300.7	0.12454902	66.18	14715	183	1400
20:80 CPH:SA 2% RIF 20:80 CPH:SA 1% RIF	0.186	0.255	0.05983363	0.305	-24.4	317.3	0.13607798	66.18	14715	183	1400
20:80 CPTEG:CPH 10% RIF	0.106	0.108	0.011641771	1.017	-25.1	171.8	0.0920574	17.71	6230	183	1400
20:80 CPTEG:CPH 9% RIF	0.520	0.670	0.011041771	0.883	-19.5	173.3	0.09072136	17.71	6230	183	1400
20:80 CPTEG:CPH 8% RIF	0.585	0.721	0.017676351	1.161	-13.5	161.8	0.08304844	17.71	6230	183	1400
20:80 CPTEG:CPH 7% RIF	0.442	0.665	0.018013083	0.946	-24.5	168.5	0.11797225	17.71	6230	183	1400
20:80 CPTEG:CPH 6% RIF	0.427	0.621	0.021989935	1.155	-37.1	164.5	0.08225642	17.71	6230	183	1400
20:80 CPTEG:CPH 5% RIF	0.394	0.650	0.023027263	1.268	-21.8	168.0	0.08104582	17.71	6230	183	1400
20:80 CPTEG:CPH 4% RIF	0.580	0.704	0.011808479	1.175	-23.3	172.0	0.10299328	17.11	6052	183	1400
20:80 CPTEG:CPH 3% RIF	0.454	0.755	0.01425443	1.787	-25.8	169.5	0.09688981	17.71	6230	183	1400
20:80 CPTEG:CPH 2% RIF	0.420	0.769	0.014252747	2.503	-22.1	165.8	0.09975738	17.71	6230	183	1400
20:80 CPTEG:CPH 1% RIF	0.260	0.733	0.003109203	1.837	-27.3	174.5	0.09653278	17.71	6230	183	1400
10:90 CPTEG:CPH 10% RIF	0.533	0.734	0.02296554	0.991	-7.27	175.5	0.12154016	19.7	6894	183	1400
20:80 CPTEG:CPH 10% RIF	0.630	0.760	0.017949702	1.108	-1.56	162.8	0.10197021	17.67	6225	183	1400
30:70 CPTEG:CPH 10% RIF	0.715	0.819	0.006303884	0.940	-7.59	172.0	0.10670578	20.97	7412	183	1400
50:50 CPTEG:CPH 10% RIF	0.818	0.872	0.00086837	0.867	-13.1	160.3	0.08394513	16.89	6099	183	1400
10:90 CPTEG:CPH 10% RIF	0.547	0.733	0.014208586	1.177	-13.1	178.8	0.09274206	19.7	6894	183	1400
20:80 CPTEG:CPH 10% RIF	0.616	0.744	0.00785114	1.196	-15.5	175.3	0.09939584	17.67	6225	183	1400
30:70 CPTEG:CPH 10% RIF 50:50 CPTEG:CPH 10% RIF	0.698	0.809	0.005925504	1.222	-9.16	181.3	0.12844245	20.97	7412	183	1400
	0 785	0.857	0.001769323	1.058	-18.2	177.0	0.09931877	16.89	6099	183	1400

Table S1. Dendrogram raw input data. Encapsulation efficiencies (EE) are formatted as fractions.

Dead OPHA 5 NP DOX 1.00 0.90 0.7328773 0.28 0.1100207 0.21 1.139 1.17777 0.2416511 Dead OPHA 5 ADV DOX 0.70 0.64 0.77065431 0.712 0.76645 0.70 0.666 0.712 0.7212		unu				00000		at aut				
Based CHA JUN DOX 1.046 0.9788.024 0.278.0244 0.78.02544 0.078.05145 0.07 0.578.024 0.218.0244 0.218.0244 0.078.0354 0.07 0.278.0244 0.278.0324 0.288.035 0.08 0.078.0354 0.07 0.278.037 0.278.0324 0.03 0.058.0354 0.0 0.01151 0.127 0.2418.0311 0500 CHT6.05 V00 0.371 0.278.0342 0.681 0.058645 0.0 0.01151 0.12 1.0277 0.2418.0311 0500 CHT6.05 V00 0.371 0.278 0.218 0.2418.031 0.0 0.01151 0.1 1.0277 0.2418.011 0500 CHT6.07 V6 XM 0.072 0.218 0.218.011 0.01151	Formulation	FR (2h)	FR (24h)	d2-d7 slope	EE	zeta potential	diameter	PDI	DOP	Mn	Tm (Drug)	water solubility
000 000000000000000000000000000000000	20:80 CPH:SA 5% DOX	1.049	0.957	-0.77245373	-0.269	-0.695637879	0.8	0.11000297	-0.12	1.329	1.167277	-0.241625119
Desc Desc Oracle	20:80 CPH:SA 10% DOX	1.049	0.990	-0.73878824	-0.731	-0.27866345	0.7	-0.9161651	-0.12	1.329	1.167277	-0.241625119
Dead CPTIGCH*I IDN DOX 0.97 0.722 2.07843400 0.05 -0.921314 0.77 0.72200 0.728 0.7280472 0.81100207 0.121 1.077 0.24165311 DEBID CPTIGC-TM* DOX 0.028 0.7280402 0.05 0.9786645 0.0 0.0450 0.027 0.7280402 0.0 0.0450 0.72977 0.24165311 DEBID CPTIGC-TM* DX DOX 0.723 0.516 0.7292988 0.515 2.08340025 0.0 0.028 0.7212775 0.12 0.028 0.721275 0.12 0.028 0.0275595 0.0000 0.028 0.0275595 0.02172775 0.12 0.04514 0.0172777 0.12 0.04514 0.0175599 0.02172775 0.12 0.018044 0.0175599 0.02172775 0.12 0.018 0.0175599 0.0180425 0.018 0.0209 0.0180434 0.018 0.0209 0.02172775 0.12 0.0217275 0.021 0.02172775 0.021 0.0217275 0.021 0.0217275 0.021 0.02172777 0.0217277 0.021727		0.771	0.464	-0.77406313	-0.236	3.212285262	-0.6	0.81628394	-0.73	-0.87	1.167277	-0.241625119
Dead OPHA 5 MP DOX 0.788 0.77820800 0.788 0.77820800 0.788243 0.79826435 0.7981635 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798163 0.798113 0.79817 0.4316311 DEB OFTIGG-TH SK DOX 0.728 0.7182098 0.815 0.74979813 0.7591147 0.713 0.727 0.4216311 DEB OFTIGG-TH SK RF 1.23 0.010 0.231150210 0.848 0.4072547 1.2 7712775 0.421 0.20745025 DEB OFTIGG-TH SK RF 1.23 0.010 0.6797470 1.28 1.2891 0.472 0.472 0.472 0.472 0.421												
Dead OPH SAL DWS DOX 1.01 0.028 0.7286643 0.7 0.928616 0.14550 0.712 0.218 0.72100 0.486 0.72100 0.015 0.72100 0.486 0.7210755 0.121 0.721777 0.216511 DEGO OPHSA SS MET 1.720 0.021 0.72152755 1.12 0.0147547 1.21 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.7217755 0.12 0.721775 0.12 0.721775 0.12 0.721775 0.721 0.7217755 0.721 0.721775 0.721 0.721775 0.721 0.721775 0.721 0.721775 0.721 0.721775 0.721 0.721 0.721775 0.721 0.721775 0.721 0.721775 0.721 0.721775 0.721 0.721							0.0		0.10	0.01		
Dead Dead O.23 O.23 O.23 O.24 O.24 O.2416211 Dead OPTIG-CH Dead O.23 O.24 D.24 D.2416211 D.2												
000 OPTAG SM -0.72 0.516 -0.7229786 -0.87 -0.7212775 -0.21 -0.213 -0.213227 -1.139 -0.6634 -0.212775 -0.139 -0.6634 -0.2074595 000 OPTAG SM FM -1.200 0.018 0.21899388 -0.31 -0.97147584 -0.21 0.2189384 -0.211 -0.2114234 -0.212 -0.216 -0.212 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
Dead OPHSA SYR IFF 1.019 0.440723487 1.2 0.77127795 0.21 1.32 0.06334 0.207745079 Dead OPHTSGATY BY IFF 0.123 0.00110 0.2381 0.00110334 0.011 0.237 0.06334 0.207745079 Dead OPHTSGATY BY IFF 0.123 0.021 0.221 0.221 0.221 0.221 0.221 0.06334 0.027745079 Dead OPHTSGATY BY IFF 0.123 0.23177572 0.831 0.83877868 0.02 0.2212389 0.21 1.238 0.15880707 Dead OPHTSGATY DY CAM 0.818 0.577 0.75777577 0.831 1.43873688 0.08 0.022268 0.71 0.37 0.8388589 0.81 0.0232680 0.21 1.239 1.48848 0.15880707 Dead OPHTSGATY DY AT 1.23 0.381 0.43817572 0.4117073588 0.11 0.3022466 0.21 1.23 0.231871 3.39640 Dead OPHTSGATY DY AT 1.23 0.44814939 0.401757170 0.451772 0.4517 0.448172344 0.81 <th></th> <td></td>												
Dead OPCHAS CM Dead D Dead D <thdead d<="" th=""> <thd< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></thd<></thdead>									-			
Dead OPHS AS NR IF 1.239 0.041 0.237 (00015 0.848 -0.40745297 1.21 0.217 0.217 0.87 0.06534 -0.00745095 Dead OPHTGGCM VEX CAM 1.001 0.831 0.05757742 1.091 1.8837858 0.021 0.283 0.997 0.287 0.287 0.287 0.287 0.288 0.288029 0.21 1.23 1.38808 0.15580072 DEAD OPHTGGCM 200K CAM 0.818 0.587 0.287 0.4880458 0.2872099 0.71 0.87 0.2880199 0.21 1.292 1.38808 0.01580072 DEAD OPHTGGCM 200K CAM 1.082 0.987 0.598108 0.011 0.43781672 0.4417073548 1.21 0.21 0.213171 3.966-0 DEAD OPHTGGCM 200K CAM 0.397 0.591 0.44569412 0.5917371 0.441 1.4901224 0.21 0.213173 3.966-0 DEAD OPHTGGCM 200K 0.497 0.4861 0.44751740 0.446752472 0.21 0.4581717 0.431 1.4517171 0.4145111 0.459717												
Dead OPTISACM Dial Dead PrisAcow Dead PrisAcow <th></th> <td></td>												
0200 CPHS A20% CAM 1001 0.581 -0.6287600 PHII -1.141703548 1.21 -0.2880524 0.21 1.28 1.25 1.28 <th>20:80 CPH:SA 5% RIF</th> <td>-1.239</td> <td>0.014</td> <td>0.237160814</td> <td>-0.884</td> <td>-0.404725487</td> <td>1.2</td> <td>0.77127795</td> <td>-0.12</td> <td>1.329</td> <td>-0.66354</td> <td>-0.207450955</td>	20:80 CPH:SA 5% RIF	-1.239	0.014	0.237160814	-0.884	-0.404725487	1.2	0.77127795	-0.12	1.329	-0.66354	-0.207450955
Dead OPTIG CM 1200 CAM 0.591 0.301 0.7287328 0.08 0.2632088 0.731 1.84808 0.15880072 Dead OPTIG CM 1200 CAM 1.002 0.997 -0.7731297 0.821 1.88378689 0.031 0.021 1.29 1.84808 0.15580072 Dead OPTI-6A TEXPX -0.221 1.29 0.28484589 0.611 0.0310127 0.211 1.29 0.251817 3.896-0 Dead OPTI-6A TEX PK PA -1.207 0.4649422 0.961 -0.559937 0.0 0.4809770 0.61 1.2900 0.251871 3.966-0 Dead OPTI-6A TEX PK PA -1.407 1.921 -0.4649771 0.41 0.71 0.440271 0.221171 0.9 2.055372 1.621 1.174 1.167277 0.44465111 Dead OPTI-6A TEX PARA 0.621 0.671 0.691 0.4629786 1.22 0.22053727 1.20 0.55686231 1.621 1.741 1.167277 0.44465111 Dead OPTI-6A TEX PARA DOX 0.623 0.671 0.400 0.33222575	20:80 CPTEG:CPH 5% RIF	0.182	0.647	-0.47800015	0.846	0.303161336	-0.9	-0.289199	-0.73	-0.87	-0.66354	-0.207450955
Dead OPTIG CMP LOW CAM 0.591 0.301 -0.7537289 0.291 -0.8837082 0.2832088 0.273 1.88408 0.015803072 Dead OPTIG CMP LOW CAM 1.082 0.987 -0.7713797 0.381 -1.41703548 1.2 0.2832084 -0.21 1.292 1.88408 0.155803072 Dead OPTIS AS TYRA -2.281 -2.983 -0.31393797 0.391 -0.6859408 0.0 0.287462 -0.21 1.270 0.251871 3.986-0 Dead OPTIS AS TRA -1.427 -1.912 -0.4619727 0.914 1.5259573 0.0 1.632 1.174 1.1577 0.44165111 Dead OPTIS AS TRA ON 0.671 -0.4619771 0.41 0.4412511 0.4645211 1.031 1.174 1.167277 0.44165111 Dead OPTIS AS TRA ON 0.671 -0.4619727 0.44165111 0.4411 1.44114 1.622 7.71 0.44165111 Dead OPTIS AS TRA ON 0.671 -0.461592 0.40 0.28254697 1.4 1.4511174 1.167277 0.44165111 </td <th>20:80 CPH:SA 20% CAM</th> <td>1.001</td> <td>0.891</td> <td>-0.62987609</td> <td>#####</td> <td>-1.141703548</td> <td>1.2</td> <td>-0.8208524</td> <td>-0.12</td> <td>1.329</td> <td>-1.88408</td> <td>-0.158630722</td>	20:80 CPH:SA 20% CAM	1.001	0.891	-0.62987609	#####	-1.141703548	1.2	-0.8208524	-0.12	1.329	-1.88408	-0.158630722
Dead OPTIES CM Disk D.SP -0.7211879 D.821 -1.8868 D.01584072 Dead OPTIES ADK CAM 1.021 0.987 -0.497976 0.388 1.14102364 D.12 D.220 D.231971 D.30 D.2626024 -0.21 D.291 D.231971 D.30 D.2627662 D.21 D.21197 D.21197 D.319971 D.30 D.2627662 D.211 D.251871 D.3896 D.308007165.071 D.01 D.051224 D.211 D.211771 D.912 D.211772 D.211771 D.211771 D.211771 D.211771 D.211771 D.211771<		0.593	0.301	-0.74575429	1.099	-1.888378689	-0.8	-0.2632698	-0.73	-0.87	-1.88408	-0.158630722
Dead OPHSA 20% CAM 1.082 0.987 -0.6749576 0.388 1.41470348 1.2 0.820852. 0.21129 0.18408 0.15183072 Dead OPHSA 5X PKA -2.881 -0.3139377 0.493 -0.4819498 0.01 0.2474662 -0.71 0.21129 0.251871 3.966-0 Dead OPHSA 5X PKA -1.427 -1.912 -0.4649423 0.961 -1.5239573 0.0 0.44087769 -0.61 0.73 0.396 -0.533967 0.52 0.251371 -0.251476 0.380 0.44087769 -0.61 0.73 0.241625111 0.3060745A 375 1.621 1.741 1.167277 0.24465311 Dead OPHSA 7N DON 0.631 0.63769786 0.32 0.22548671 1.4 1.4341664 1.632 1.741 1.167277 0.24465311 Dead OPHSA 7N DON 0.638 0.3722456 0.22548671 1.4 1.453172 0.24465311 Dead OPHSA 7N DON 0.538 0.3722458 0.21 0.2985707 1.4 1.4531727 0.24465311 Dead OPHSA 7N DO									-0.73			
Dead OPHSA SN: PXA -1.821 -2.887 -0.38884458 -0.611 -0.43817276 -0.6 0.2006 -0.121 -0.218 0.21817 3.3966-0 Dead OPHSG CM SPXA -1.308 -1.270 0.3669402 -0.859408 0.1 0.906124 -0.21 -0.21 0.218 0.339670 0.31 0.39660 0.31 0.3596078 0.11 0.906124 -0.21 0.218 3.3966-0 0.339676 0.41 0.414511 3.39667 0.31 0.4445211 3.39667 0.31 0.4445211 0.320176 0.400 0.42559427 0.21 0.90566291 1.631 1.74 1.167277 0.4445211 Dead OPHSA KN DOX 0.621 0.627 0.0287970 0.4455117 0.4455111 0.50 0.4445311 0.50 0.4445311 0.50 0.4145111 0.52 0.4445311 0.50 0.4445311 0.50 0.4155111 0.50 0.4155111 0.50 0.44453111 0.50 0.44453111 0.50 0.44453111 0.50 0.44453111 0.50 0.44												
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Dead CPH5A 7% DOX 0.823 0.671 0.0629788 0.182 0.220400971 1.5 1.66438911 1.623 1.174 1.16777 0.24162511 Dead CPH5A 6% DOX 0.989 0.773 0.04516382 0.030 0.2398057469 1.4 1.54711713 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 6% DOX 0.583 0.365 0.32652325 1.201 0.32552355 1.41 1.45906783 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 2% DOX 0.585 0.349 0.366423252 1.201 1.45906783 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 2% DOX 0.585 0.349 0.366432355 1.201 0.48106807 1.632 1.174 1.167277 -0.24162511 Dead CPH5C/H 9% DOX 0.756 0.752 0.743144 -0.64 0.4317276 -0.24162511 Dead CPH5C/H 9% DOX 0.567 0.7520467 -0.241 1.0577974 -0.42162511 Dead CPH5C/H 9% DOX 0.567 0.7520472	20:80 CPH:SA 9% DOX	1.041	0.787	-0.02517562	-0.580	0.642559127	0.9	2.00533759	1.632	1.174	1.167277	-0.241625119
Dead CPH5A 7% DOX 0.823 0.671 0.0629788 0.182 0.220400971 1.5 1.66438911 1.623 1.174 1.16777 0.24162511 Dead CPH5A 6% DOX 0.989 0.773 0.04516382 0.030 0.2398057469 1.4 1.54711713 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 6% DOX 0.583 0.365 0.32652325 1.201 0.32552355 1.41 1.45906783 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 2% DOX 0.585 0.349 0.366423252 1.201 1.45906783 1.632 1.174 1.167277 -0.24162511 Dead CPH5A 2% DOX 0.585 0.349 0.366432355 1.201 0.48106807 1.632 1.174 1.167277 -0.24162511 Dead CPH5C/H 9% DOX 0.756 0.752 0.743144 -0.64 0.4317276 -0.24162511 Dead CPH5C/H 9% DOX 0.567 0.7520467 -0.241 1.0577974 -0.42162511 Dead CPH5C/H 9% DOX 0.567 0.7520472	20:80 CPH:SA 8% DOX	0.671	0.490	0.127693791	-0.252	0.927653272	1.2	0.95863291	1.632	1.174	1.167277	-0.241625119
Date Description 0.48 0.647 0.04491442 0.008 0.225534697 1.4 1.4414644 1.52 1.174 1.167277 0.241625111 Date 0.045163 0.365 0.367222585 0.261 0.332252575 1.3 2.01552003 1.622 1.174 1.167277 0.241625111 Date 0.420 0.326423243 0.733 0.002551863 1.44 1.43303824 0.522 1.174 1.167277 0.241625111 Date 0.56423325 1.020 0.151605073 1.021 1.174 1.167277 0.24162511 Date 0.776 0.838 0.77460431 0.272 1.43481043 -0.80 1.032 1.174 1.167277 0.24162511 Date 0.775 0.784 0.7764431 0.272 1.43481043 -0.8 0.3167276 0.68 0.8 1.167277 0.24162511 Date 0.776 0.783 0.6433362 0.93 0.56776 0.68 0.8 1.167277 0.24162511 <	20:80 CPH:SA 7% DOX		0.671	-0.06299788			1.5		1.632	1.174	1.167277	-0.241625119
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0280 CPTEGCPH 9% DOX 0.878 0.752 0.755 </td <th></th> <td></td>												
Date OFFE OFFE< OFFE< <t< td=""><th></th><td>0.726</td><td>0.883</td><td>-0.76248944</td><td>-0.443</td><td>0.85201605</td><td>-0.6</td><td>-1.1500441</td><td>-0.68</td><td>-0.8</td><td>1.167277</td><td>-0.241625119</td></t<>		0.726	0.883	-0.76248944	-0.443	0.85201605	-0.6	-1.1500441	-0.68	-0.8	1.167277	-0.241625119
Does Description D-SA 0.6932.0827 C-284 L05759414 0.91 O-S38776 O-688 O.88 1.167277 O-241625111 Does CPTESCPH & NDOX 0.161 O.067 O-7503866 O-181 1.1747587 O-08 O-08 O-08 I.167277 O-241625111 Does O-7760732 O-299 0.62562759 O-09 J.2385971 O-08 O-88 I.167277 O-241625111 DOSO OTESC/H & NDOX 0.361 O.340 O-7507321 O-299 O.62562759 O-01 J.2385971 O-08 O.8 1.167277 O-241625111 DOSO OTESC/H & NDOX O.802 O-757 O-68829211 O-702 O.3225257 I.01 I.1324789 O-66837825 O-668 I.167277 O-241625111 DOSO OTESC/H & NDOX O.802 O.4678 O.80 O.6437825 O-668 O.8 I.167277 O-24162511 DOSO OTESC O.777 O-668542113 O.14177 <tho-24162511< th=""> D</tho-24162511<>	20:80 CPTEG:CPH 9% DOX	0.878	0.858	-0.77406313	-0.272	1.434810543	-0.8	0.13427868	-0.68	-0.8	1.167277	-0.241625119
Date OFEGCPH 6% DOX 0.145 0.060 -0.70589855 0.118 131747577 -0.81 -0.8707359 -0.68 0.81 1167777 -0.241625111 Date OFEGCPH 5% DOX 0.470 0.377 -0.7621236 -0.421 1074079176 -0.9 -0.7905163 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 3% DOX -0.301 -0.340 -0.7700732 -0.229 0.652562759 -0.0 -1.288571 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 3% DOX -0.301 -0.340 -0.7710720 0.3212577 -0.0 -1.6133331 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 1% DOX -0.321 -0.68138569 -0.131 -0.05439576 -0.8 -0.6437925 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 1% NDX OFEGCPH 1% NDX -0.821 -0.77134341 -0.272 -0.06324655 1.2 2.04784951 0.503404951 1.50 1.174<	20:80 CPTEG:CPH 8% DOX	0.826	0.757	-0.75240837	-0.643	1.068260928	-0.9	-0.567231	-0.68	-0.8	1.167277	-0.241625119
Date OFEGCPH 6% DOX 0.145 0.060 -0.70589855 0.118 131747577 -0.81 -0.8707359 -0.68 0.81 1167777 -0.241625111 Date OFEGCPH 5% DOX 0.470 0.377 -0.7621236 -0.421 1074079176 -0.9 -0.7905163 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 3% DOX -0.301 -0.340 -0.7700732 -0.229 0.652562759 -0.0 -1.288571 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 3% DOX -0.301 -0.340 -0.7710720 0.3212577 -0.0 -1.6133331 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 1% DOX -0.321 -0.68138569 -0.131 -0.05439576 -0.8 -0.6437925 -0.68 -0.8 1.167277 -0.241625111 Date OFEGCPH 1% NDX OFEGCPH 1% NDX -0.821 -0.77134341 -0.272 -0.06324655 1.2 2.04784951 0.503404951 1.50 1.174<	20:80 CPTEG:CPH 7% DOX	0.570	0.543	-0.69328637	-0.284	1.05759414	-0.9	-0.536776	-0.68	-0.8	1.167277	-0.241625119
Dead OPTEGCPH 5K DOX 0.470 0.357 -0.7212266 -0.421 D7407975 0.9 -0.7905163 0.08 0.8 1.167277 -0.24162511 Dead OPTEGCPH 4K DOX 0.331 0.363 0.280 0.7507034 0.929 0.952575 -0.9 -1.2385971 -0.68 0.8 1.167277 -0.24162511 Dead OPTEGCPH 3K DOX 0.800 0.757 0.68882911 -0.70 0.32252575 -0.1 -1.1324789 -0.68 0.8 1.167277 -0.241625117 Dead OPTEGCPH 3K DOX -0.802 -0.678 1.740805149 -1.31 -0.6497845 -0.68 0.8 1.167277 -0.241625117 Dead OPTEGCPH XK DOX -0.825 -0.678 1.740805149 -1.31 1.04597546 -0.8 -0.6473825 -0.68 0.8 1.167277 -0.241625117 Dead OPTEGCPH XK DK RF -0.852 -0.678 1.7480 -0.6534 -0.207450957 Dead OPTEGCPH XK RF -0.852 -0.6781 1.7487 -0.6234 -0.207450957 Dead OPTEGCPH XK RF <th></th> <td>0.145</td> <td>0.060</td> <td>-0.70589865</td> <td>-0.118</td> <td></td> <td>-0.8</td> <td></td> <td>-0.68</td> <td>-0.8</td> <td></td> <td></td>		0.145	0.060	-0.70589865	-0.118		-0.8		-0.68	-0.8		
Dead OPTEGCPH 4% DOX 0.363 0.280 0.7760732 0.289 0.982562759 0.09 1.2828571 0.68 0.8 1.167777 0.241625117 Dead OPTEGCPH 3% DOX 0.300 0.400 0.77060131 0.560 1.0483676 1.01 1.133311 0.68 0.8 1.167277 0.241625117 Dead OPTEGCPH 1% DOX 0.1075 0.68882911 0.713 0.4595745 0.81 0.6437825 0.68 0.8 1.167277 0.241625117 Dead OPTEGCPH 1% DOX 0.822 0.678 1.231 0.06339367 0.81 0.6437825 0.68 0.8 1.167277 0.241625117 Dead OPTEGCPH 1% DOX 0.822 0.678 1.432 0.20745995 0.81 0.6437825 0.68 0.8 1.167277 0.241625117 Dead OPTEGCPH 1% DOX 0.822 0.787 1.0421 0.203526455 1.2 0.0447485 0.63331456 0.122 1.041 0.63345 0.02074505 0.6321 1.14 0.66354 0.20745095 Dead OPTEGCPH 1% NFF												
Deade OPERACIPH 3% DO -0.301 -0.302												
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Date Description Description <thdescription< th=""> <thde< td=""><th>20:80 CPH:SA 8% RIF</th><td>-1.187</td><td>-1.407</td><td>2.739115341</td><td>-1.372</td><td>-0.608364162</td><td>1.5</td><td>1.31662712</td><td>1.632</td><td>1.174</td><td>-0.66354</td><td>-0.207450955</td></thde<></thdescription<>	20:80 CPH:SA 8% RIF	-1.187	-1.407	2.739115341	-1.372	-0.608364162	1.5	1.31662712	1.632	1.174	-0.66354	-0.207450955
Date Desc Leg Leg <thleg< t<="" td=""><th>20:80 CPH:SA 7% RIF</th><td>-0.845</td><td>-0.482</td><td>1.246891117</td><td>-1.187</td><td>0.012248943</td><td>1.5</td><td>1.84579016</td><td>1.632</td><td>1.174</td><td>-0.66354</td><td>-0.207450955</td></thleg<>	20:80 CPH:SA 7% RIF	-0.845	-0.482	1.246891117	-1.187	0.012248943	1.5	1.84579016	1.632	1.174	-0.66354	-0.207450955
Doad OrtHSA 3% RIF 1.114 1.286 2.649722729 1.244 0.705334959 1.5 0.8020597 1.62 1.174 0.66354 0.20740905 DOBD OrtHSA 3% RIF 1.145 1.751 2.469839151 1.211 0.005339757 1.62 1.174 0.66354 0.20740905 DOBD OrtHSA 3% RIF 1.154 1.180 2.44527302 1.066 0.346543008 1.7 0.5128045 1.62 1.174 0.66354 0.20745095 DOBD OrtHSA 2% RIF 1.761 7.181 2.43554488 1.071 0.71503203 1.1 1.06013267 1.622 1.174 0.66354 0.20745095 DOBD OrtEGCPH 10% RIF 0.257 0.2398717 0.23873131 0.81 1.029708 0.68 0.8 0.66354 0.20745095 DOBD OFTEGCPH 9% RIF 0.111 0.013 0.33866018 0.925 0.69423358 1.0 1.457022 0.68 0.8 0.66354 0.20745095 DOBD OFTEGCPH 9% RIF 0.111 0.013 0.3386018 0.6934 0.20745095	20:80 CPH:SA 6% RIF	-1.170	-1.417	2.76525308	-1.299	-0.104116014	1.4	0.40229543	1.632	1.174	-0.66354	-0.207450955
0280 CPH5A 4% NF -1.405 -1.753 2.450839151 -1.211 -0.02553976 1.6 0.3495577 1.62 1.714 -0.66334 -0.20745095 0280 CPH5A 3% NF -1.53 -1.812 2.41627302 -0.66134 -0.20745095 0280 CPH5A 2% NF -1.761 -2.185 2.81527302 -0.66134 -0.58897002 1.11 1.06013267 1.62 1.174 -0.66334 -0.20745095 0280 CPH5A 1% NF -0.205 -0.044 -0.712428 0.68197002 1.31 1.91122802 1.621 1.174 -0.66354 -0.20745095 0280 CPTEGCPH 10% NF -0.025 -0.0441 -0.712 0.592 0.64917295 0.88 0.68 0.8 -0.66534 -0.20745095 0280 CPTEGCPH 9% NF -0.011 -0.13 0.3986018 -0.272 -0.23997531.31 0.81 -0.81 0.48 0.68 0.8 -0.66534 -0.20745095 0280 CPTEGCPH 7% NF -0.711 -0.22 0.452546 0.4724729119 -0.9 0.20057743 -0.68 0.8									1.632			-0.207450955
Dead OPHSA 3% RIF -1.543 -1.810 2.441627302 -1.086 -0.48643000 -1.7 0.51280054 1.623 1.174 -0.66354 -0.20740095 Dead OPHSA 3% RIF -1.761 -2.815 2.31954488 -0.711 -0.51280754 -1.623 1.174 -0.66354 -0.20745095 Dead OPHSA 2% RIF -2.067 -2.599 2.475316219 -0.61 -0.59870002 1.3 1.9132200 1.62 1.174 -0.66354 -0.20745095 Dead OPHSA 1% RIF -0.047 -0.227 -0.0387131 0.81 -0.037130 -0.68 -0.68 -0.66354 -0.20745095 Dead OPHSC PM SK RIF -0.141 -0.013 -0.38280 -0.777 -0.3987131 -0.81 -0.48 -0.66354 -0.20745095 Dead OPHSC PM SK RIF -0.711 -0.521 0.727 -0.3987131 -0.91 -0.4524 -0.20745095 Dead OPHSC PM SK RIF -0.711 -0.521 0.727 -0.588 -0.68 -0.66354 -0.20745095 Dead OPHSC PM SK RIF -0.711<												
Does Description 1.7161 2.7185 2.319544683 1.071 0.715032039 1.1 1.0601327 1.821 1.174 0.66334 0.20740905 Does CM-154 XM V 1.071 0.715032039 1.11 1.0601327 1.821 1.174 -0.66334 0.20745095 Does CM-154 V 0.75794 0.451 0.588 0.81 0.588 0.8 0.8 0.8 0.66334 0.20745095 Does CFTESCPH MR M 0.017 0.028975131 -0.81 1.029708 -0.68 0.8 -0.66354 -0.20745095 DOS CFTESCPH MR M 0.101 0.013 0.39866018 0.91 1.4957023 -0.68 0.8 -0.66354 -0.20745095 DOS CFTESCPH MR M 1.0252 0.5727246 0.423 0.724723118 0.91 1.55475 -0.68 0.8 -0.66354 -0.20745095 DOS CFTESCPH MR M<												
Date Constants Processe Processe <t< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
Does Description Descrin <thdescrin< th=""> Descrin<!--</td--><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdescrin<>												
Does Description 0.027 0.0237713 0.277 0.239875131 0.08 1.08 1.0931363 0.068 0.08 0.068354 0.20740093 Does OPEGCPH 0.011 0.13386018 0.225 0.0694923358 1.0 1.4574022 0.068 0.08 0.066354 0.20740993 Does OPEGCPH 0.771 0.722 0.523 0.727723191 0.9 1.0937143 0.08 0.068 0.08 0.066354 0.20740993 Does OPEGCPH 0.771 0.721 0.523 0.5777263 0.68 0.8 0.066354 0.20745095 DOS OPEGCPH 0.778 0.458 0.36233326 0.911 -14405025 0.9 -1495025 0.68 0.8 0.66534 0.20745095 DOS OPEGCPH 9.58 9.0153311 0.71 0.48 0.66334 0.20745095 DOS OPEGCPH 9.58 0.613 0.05934 0.20745095 0.9 0.500240 0.68 0.8												
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Date CPTESCPH 6%, RIF -0.783 -0.458 0.32233322 0.910 -1.946551168 -0.9 -1.4950025 -0.68 -0.8 -0.683 -0.20745095 Date 0.917 -0.321 0.416226386 1.174 -0.46230765 -0.9 -1.552475 -0.68 -0.8 -0.66354 -0.207450955 Date CritesCPH 9%, RIF -0.163 -0.066 -0.08 -0.08 -0.66354 -0.207450955 Date CritesCPH 3%, RIF -0.673 0.173 -0.039 -0.603426 -0.81 -0.6242 -0.68 -0.8 -0.66354 -0.207450955 Date CritesCPH 3%, RIF -0.673 0.173 -0.03 -0.80294 -0.68 -0.8 -0.66354 -0.207450955 Date CritesCPH 3%, RIF -1.462 0.071 -0.63146 -0.499904 -0.9 -0.802944 -0.68 -0.8 -0.66354 -0.207450955 Date CritesCPH 10%, RIF -0.431 0.424 <												
Does OPTESCPH SN RF -0.91 -0.321 0.41552836 1.174 -0.462307565 -0.91 -1.55247 -0.68 -0.88 -0.6334 -0.207450955 D030 OPTESCPH 3% RF -0.671 0.173 -0.03705928 2.385 -0.850791155 -0.9 -0.802444 -0.88 -0.8 -0.66354 -0.207450955 D030 OPTESCPH 1% RF -0.811 0.242 -0.03714627 4.054 -0.81 -0.66134 -0.207450955 D030 OPTESCPH 10% RF -0.811 0.412 -0.01 -0.43199204 -0.9 -0.661345 -0.207450955 D030 OPTESCPH 10% RF -0.81 0.04177725 -0.8 0.8077774 -0.8 0.807774 -0.8 -0.65134 -0.207450955 <	20:80 CPTEG:CPH 7% RIF	-0.721	-0.252	0.157276246	0.423	-0.724729119	-0.9	0.20057743	-0.68	-0.8	-0.66354	-0.207450955
Does OPTESCPH SNRF -0.91 -0.321 0.415524836 1.174 -0.462907955 -0.91 -1.52475 -0.68 -0.8 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.68 -0.633 -0.207450955 Doss OPTESCPH SNRF -0.613 -0.06 -0.63 -0.6633 -0.207450955 Doss OPTESCPH SNRF -0.631 0.242 -0.03710427 4.044 -0.49199204 -0.9 -0.802044 -0.68 -0.8 -0.66354 -0.207450955 Doss OPTESCPH DNR IN -0.316 -0.6334648 -0.207450955 -0.88 -0.664187 -0.88 -0.66354 -0.207450955 DOSS OPTESCPH DNR IN -0.331648 -0.207450955 -0.88 -0.864187 -0.88 -0.66354 -0.207450955 DOSS OPTESCPH DNR IN -0.351	20:80 CPTEG:CPH 6% RIF	-0.783	-0.458	0.362893362	0.910	-1.946561168	-0.9	-1.4950025	-0.68	-0.8	-0.66354	-0.207450955
Does Description Ones One Ones One Ones One Ones	20:80 CPTEG:CPH 5% RIF	-0.917			1.174		-0.9		-0.68	-0.8		-0.207450955
Does OPTEGCPH 3% Rif -0.673 0.173 -0.0370928 2.385 -0.850791155 -0.9 -0.800294 -0.68 -0.8 -0.68 -0.02 -0.027 -0.027450955 -0.08 -0.03 -0.032 -0.88 -0.66334 -0.027450955 -0.08 -0.08 <th>20:80 CPTEG:CPH 4% RIF</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-0.8</td> <td></td> <td></td> <td>-0.84</td> <td></td> <td>-0.207450955</td>	20:80 CPTEG:CPH 4% RIF						-0.8			-0.84		-0.207450955
Does CPTESCPH 20.81 0.242 0.03714627 4.054 0.491999204 -0.9 0.6641587 -0.68 -0.8 -0.66354 -0.20745095 Does CPTESCPH 1.462 0.071 -0.613664 2.009 -0.9641587 -0.68 -0.8 -0.66354 -0.20745095 Does CPTESCPH 1.462 0.071 -0.613664 2.00 -0.99624752 -0.8 0.81724 -0.68 -0.8 -0.66354 -0.20745095 Does CPTESCPH 10% RIF 0.031 0.747 0.431335551 0.529 0.9960777 -0.9 0.5591056 -0.88 -0.88 -0.66354 -0.207450955 DOS CPTESCPH 10% RIF 0.038 0.477 -0.448130 0.410 0.915047068 -0.88 -0.58 -0.66354 -0.207450955 DOS CPTESCPH 10% RIF 0.388 0.477 -0.448130 0.40 0.380737974 -0.71 -0.88 -0.66354 -0.207450955 DOS CPTESCPH 10												
Does Description 1.462 0.071 -0.613.0666 2.500 -0.99624732 -0.8 0.81724 -0.68 -0.88 -0.6												
0.090 CPTESC/PH 10% NIF -0.351 0.074 0.41333551 0.529 0.946077723 -0.8 0.8099614 -0.68 -0.68 -0.68 -0.68 -0.68 -0.634 -0.20740953 D020 CPTESC/PH 10% NIF 0.001 0.200 0.153999224 0.021 4.970678 -0.8 0.36996144 -0.6334 -0.20740959 D020 CPTESC/PH 10% NIF 0.388 0.475 0.4481303 0.410 0.915047068 -0.8 -0.334288 -0.6334 -0.20745095 D020 CPTESC/PH 10% NIF 0.386 0.475 0.4481303 0.410 0.915047068 -0.8 -0.334288 -0.22 -0.52 -0.66334 -0.20745095 D030 CPTESC/PH 10% NIF -0.266 -0.07316535 C402 0.3073794 -1.0 -1.4148327 -0.27 -0.83 -0.66334 -0.20745095 D030 CPTESC/PH 10% NIF -0.274 0.066 -0.3942957 0.262 0.3073794 -1.0 -1.4148327 -0.84 -0.66334 -0.20745095 D030 CPTESC/PH 10% NIF -0.274 0.686												
20.80 CPTEG:CPH 10% RIF 0.040 0.200 0.153999224 0.802 1.499780977 -0.9 -0.5591065 -0.68 -0.8 -0.207450955 08/70 CPTEG:CPH 10% RIF 0.388 0.475 -0.481033 0.410 915047068 -0.8 -0.334288 -0.261 -0.66354 -0.207450955 0500 CPTEG:CPH 10% RIF 0.806 0.726 -0.7316535 0.420 0.30373774 -1.0 -1.4448327 -0.271 -0.6354 -0.207450955 0.050 CPTEG:CPH 10% RIF -0.204 0.0337774 -0.71 -0.9972053 -0.615 -0.66354 -0.207450955 0.050 CPTEG:CPH 10% RIF -0.204 0.0631777 -0.71 -0.581 -0.643 -0.207450955 0.050 CPTEG:CPH 10% RIF -0.204 0.063177 -0.71 -0.581 -0.64 -0.66354 -0.207450955 0.050 CPTEG:CPH 10% RIF -0.016 0.721 -0.36813176 1.007 1.48008059 -0.81 -0.68124 -0.66354 -0.207450955 0.050 CPTEG:CPH 10% RIF -0.016 -0.371 -0.64769388 <th></th> <td></td>												
00:70 CPTEGCPH 10% RIF 0.388 0.475 0.4413133 0.410 0.915047068 -0.81 -0.334288 -0.521 -0.5124 -0.2074												
50:50 CPTEG:CPH 10% RIF 0.806 0.726 0.72916535 0.240 0.38073797 -1.0 -1.4148327 -0.72 0.83 -0.66354 -0.207450955 0:0:00 CPTEG:CPH 10% RIF 0.294 0.0681 -0.38073797 -0.71 -0.9972053 -0.88 -0.66 -0.207450955 0:0:00 CPTEG:CPH 10% RIF -0.016 0.123 -0.3801376 10.70 0.184008059 -0.81 -0.64 -0.66354 -0.207450955 0:0:00 CPTEG:CPH 10% RIF -0.016 0.123 -0.3861376 10.07 0.184008059 -0.81 -0.64 -0.66354 -0.207450955 0:0:00 CPTEG:CPH 10% RIF -0.016 0.123 -0.3861376 10.07 0.184008059 -0.81 -0.643 -0.207450955 0:0:00 CPTEG:CPH 10% RIF -0.016 0.37 0.430 -0.46769388 1067 0.78202516 -0.77 0.83 -0.66354 -0.207450955 0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:												
0.090 CPTEGCPH 10% RIF -0.294 0.068 -0.0342957 0.962 0.38073776 -0.7 -0.9972053 -0.68 -0.64 -0.6354 -0.20740995 80.06 CPTEGCPH 10% RIF -0.016 0.123 -0.36813176 1.007 0.148008059 -0.8 -0.684 -0.66354 -0.207450955 90.70 CPTEGCPH 10% RIF -0.016 0.36813176 1.007 0.148008059 -0.8 -0.6813224 -0.68 -0.66354 -0.207450955 90.70 CPTEGCPH 10% RIF -0.016 0.371 0.430 -0.46769388 1.067 0.45002516 -0.7 0.69764198 -0.52 -0.66354 -0.207450955	30:70 CPTEG:CPH 10% RIF											
20:80 CPTEG:CPH 10% RIF -0.016 0.123 -0.36813176 1.007 0.148008059 -0.8 -0.6813224 -0.68 -0.8 -0.66354 -0.207450955 30:70 CPTEG:CPH 10% RIF 0.317 0.430 -0.46769388 1.067 0.762802916 -0.7 0.69764198 -0.52 -0.52 -0.66354 -0.207450955	50:50 CPTEG:CPH 10% RIF	0.806	0.726	-0.72916535	0.240	0.380737974	-1.0	-1.4148327	-0.72	-0.83	-0.66354	-0.207450955
20:80 CPTEG:CPH 10% RIF -0.016 0.123 -0.36813176 1.007 0.148008059 -0.8 -0.6813224 -0.68 -0.8 -0.66354 -0.207450955 30:70 CPTEG:CPH 10% RIF 0.317 0.430 -0.46769388 1.067 0.762802916 -0.7 0.69764198 -0.52 -0.52 -0.66354 -0.207450955	10:90 CPTEG:CPH 10% RIF	-0.294	0.069	-0.03942957	0.962	0.380737974	-0.7	-0.9972053	-0.58	-0.64	-0.66354	-0.207450955
30:70 CPTEG:CPH 10% RIF 0.317 0.430 -0.46769388 1.067 0.762802916 -0.7 0.69764198 -0.52 -0.52 -0.66354 -0.207450955	20:80 CPTEG:CPH 10% RIF											-0.207450955
	50.55 CF (EG.CF/1 10/6 RIF	0.009	0.000	0.00236254	0.004	0.113013094	-0.8	0.0047013	-0.72	-v.03	-0.00334	-0.20/400000

Table S2. Dendrogram processed input data. The data were normalized and mean-centered.

	Drug Re	lease Pro	operties	-		Partic	e Properties		Particle Chemistry Drug Chemistry						Drugbank Experimental Data															
		FR	FR				Water Conta	a			<u> </u>																			
Formulation	68	(2h)	(24h) a	eta poteri	tial diamet	r PDI	Angle	DOP Mn Tg	Backbone	0 Aliphatic C	Aromoatic C	%C (drug)	%H (drug)	%CI (drug)	%N (drug)	%O (drug)	Molar mass	Tm (drug)	Water Solubility	logP	pKa (strongest acid)	pKa (strongest base)	physiological charge	hydrogen acceptor count	hydrogen donor count	polar surface area	rotatable bond count	refractivity	polarizability	number of rings
20:80 CPH:SA 5% DOX	0.649	0.878	0.921	-24.2	295.0	0.116064		29.34 15385 61.3	77 0.4	7.6	2.4		0.428571429		0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH:SA 30% DOX	0.451	0.878	0.928	-19.9	290.2	0.094449	098 50	29.34 15385 61.3	77 0.4	7.6	2.4	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 5% DOX		0.810		16.1	187.0	0.130941	533 45	16.69 5902 37.8		6.0	12.0	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG-CPH 10% DOX		0.861		10.8	198.0		949 45	16.69 5902 37.8		6.0	12.0		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH 5A 5% DOX		0.821		-24.2	295.0			29.34 15385 61.3		7.6	2.4		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH:5A 10% DOX			0.926	-19.9	290.2			29.34 15385 61.3		7.6	2.4		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 5% DOX		0.752		+14	188.8			16.69 5902 37.8		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 10% DOX			0.827	10.8	198.0			16.69 5902 37.8		6.0	12.0	0.392857143	0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH:SA 5% RIF		0.355		-21.2				29.34 15385 61.3		7.6	2.4		0.495726496	0	0.034188034			183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 5% RIF		0.622		-32.4				16.69 5902 37.8		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPH 5A 5% RIF		0.315		-21.2	326.8			29.34 15385 61.3		7.6	2.4			0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	
20:80 CPTEG:CPH 5% RIF		0.665		-13.9				16.69 5902 37.8		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPH:5A 20% CAM		0.866		-28.8	330.1			29.34 15385 61.3		7.6	2.4	0.34375	0.375	0.0625	0.0625	0.15625	323.132 323.132	171	2500	1.14	7.49	-2.8	0	2	3	115.38	• •	73.2	28.08	
20:80 CPTEG:CPH 20% CAM 20:80 CPTEG:CPH 20% CAM		0.766		-36.5		0.108201		16.69 5902 373		6.0	12.0	0.34375	0.375	0.0625	0.0625	0.15625	323.132	171	2500	1.14	7,49	-2.8	0			115.38	6	73.2	28.08	1
20:80 CP1EG:CPH 20% CAM 20:80 CPH:SA 20% CAM		0.821		-36.5	330.1			29.34 15385 61.3		7.6	2.4	0.34375	0.375	0.0625	0.0625	0.15625	323.132 323.132	171	2500	1.14	7.49	-2.8	0	5	3	115.38	6	73.2	28.08	1
20:80 CPH SA 5% PZA		0.000		-20.0	282.3			29.34 15385 61.3		7.6	2.4	0.357142857	0.357142857	0.0645		0.071428571	123.1132	192	1505+04	-0.6	11.49	-2-0	0	2	3	68.87	• •	30.45	20.00	
20:80 CPTEG:CPH 5% PZA		0.057		-24.5	216.3			16.69 5902 37.8		6.0	12.0	0.357142857	0.357142857	0	0.214285714	0.071428571	123.113	192	1.50E+04	-0.6	13.06	-0.68	0		1	68.87		30.45	11.13	
20:80 CPH 5A 5% PZA		0.057		-32.8				29.34 15385 61.3		7.6	2.4	0.357142857	0.357142857	0	0.214285714	0.071428571	123.113	192	1.50€+04	-0.6	13.06	-0.68	0	3	1	68.87		30.45	11.13	
20:80 CPTEG:CPH 5% PZA		0.258		-32.0	181.5			18.47 6499 33		6.0	12.0	0.357142857	0.357142857	0	0.214285714	0.071428571	123.113	192	1.50€+04	-0.6	13.06	-0.68	0	3		68.87		30.45	11.13	
20:80 CPH-5A 10% DOX		0.843		-16.4				66.18 14715 58.4		7.6	2.4		0.428571429		0.035714286			201	630	-0.02	-2.2	2.75				181.62		113.89	42.88	- i
20:80 CPH:SA 30% DOX 20:80 CPH:SA 9% DOX		0.843		-10.4				66.18 14715 58.4		7.6	2.4		0.428571429	0		0.142857143		201 201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	
20:80 CPH 5A 8% DOX		0.785		-7.46				66.18 14715 58.4		7.6	2.4		0.428571429	- 0		0.142857143		201	630	-0.02	-2.2	7.75	4	,	6	181.62	*	113.89	42.88	
20:80 CPH:SA 7% DOX		0.823		-19.3				66.18 14715 58.4		7.6	2.4		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75		9	6	181.62	2	113.89	42.88	4
20:80 CPH 5A 6% DOX		0.829		-14.7				66.18 14715 58.4		7.6	2.4		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	
20:80 CPH SA S% DOX		0.865		-20.1	346.3	0.146335		66.18 14715 58.4		7.6	2.4		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	2.25	1	9	6	181.62	2	113.89	42.88	4
20:80 (PH-54 4% DOX		0.763		-13.6	337.2			66.18 14715 58.4		7.6	2.4		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75	4	9	6	181.62	2	113.89	42.88	4
20:80 CPH:SA 3% DOX		0.785		-17	344.8		892 50	66.18 14715 58.4		7.6	2.4	0.392857143	0.428571429	0	0.035714286			201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH 5A 2% DOX		0.764		-18.9	342.4	0.144481	171 50	66.18 14715 58.4		7.6	2.4	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH-SA 1% DOX			0.702	-7.96	324.5		873 50	66.18 14715 58.4		7.6	2.4	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG-CPH 10% DOX		0.799	0.905	-8.24	188.8			17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 9% DOX	0.647	0.836	0.900	-2.23	175.3	0.116575	724 45	17.71 6230 42.1	15 2.4	6.0	12.0	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 8% DOX	0.488	0.823	0.878	-6.01	163.3	0.101799	071 45	17.71 6230 42.3	15 2.4	6.0	12.0	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 7% DOX	0.642	0.760	0.833	-6.12	165.0	0.102440	578 45	17.71 6230 42.3	15 2.4	6.0	12.0	0.392857143	0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 6% DOX		0.656		-3.44	177.3			17.71 6230 42.1		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 5% DOX		0.736		-5.95	167.3			17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 4% DOX		0.709		-7.1		0.087657		17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 3% DOX		0.546		-6.21	157.5			17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286	0.142857143	444.43	201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 2% DOX		0.422		-13.6	157.5			17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286	0.142857143		201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPTEG:CPH 1% DOX		0.329		-6.24		0.100186		17.71 6230 42.3		6.0	12.0		0.428571429	0	0.035714286			201	630	-0.02	-2.2	7.75	-1	9	6	181.62	2	113.89	42.88	4
20:80 CPH:SA 10% RIF		0.410		-17.3	298.3			66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPH:5A 9% RIF		0.417		-17.4	329.0			66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPH:SA 8% RIF		0.327		-23.3	351.9			66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034		822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPH:SA 7% RIF 20:80 CPH:SA 6% RIF		0.412		-16.9	352.6			66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034		822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	<u> </u>	225.58	86.46	
20.80 CPH SA 6% RP 20.80 CPH SA 5% RP		0.332		-18.1	345.2	0.1222221		66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034		822.94		1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	
20.80 CPH 5A 5% RIF		0.274		-17.3				66.18 14715 58.4		7.6	2.4		0.495726496	3	0.034188034		822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	
20:80 CPH 5A 3% RIF		0.240		-20.6	359.5			66.18 14715 58.4		7.6	2.4		0.495726496	0		0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	, ,	225.58	86.46	
20.80 CPH SA 2% R#		0.186		-24.4	300.7			66.18 14715 58.4		7.6	2.4		0.495726496	0		0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	í.	225.58	86.46	5
20:80 CPH 5A 1% RIF		0.106		-23.1	338.3			66.18 14715 58.4		7.6	2.4		0.495726496	0	0.034188034		822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 10% RIF		0.556		-15.3	171.8			17.71 6230 42.3		6.0	12.0		0.495726496	0	0.034188034		822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20.80 CPTEG:CPH 9% RIF		0.520		-19.5	173.3			17.71 6230 42.3		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG CPH 8% RIF		0.585		-9.86	161.8			17.71 6230 42.3		6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 7% RIF	0.946	0.442	0.665	-24.5			246 45	17.71 6230 42.3		6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 6% RIF	1.155	0.427	0.621	-37.1	164.5	0.082256	424 45	17.71 6230 42.3	15 2.4	6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 5% RIF		0.394		-21.8	168.0	0.081045	819 45	17.71 6230 42.1		6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.302564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 4% RIF	1.175	0.580	0.704	-23.3		0.102993	275 45	17.11 6052 37.1		6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 3% RIF	1.787	0.454	0.755	-25.8	169.5	0.096889	806 45	17.71 6230 42.1	35 2.4	6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 2% RIF	2.503	0.420	0.769	-22.1	165.8	0.099757	379 45	17.71 6230 42.	15 2.4	6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 1% RIF		0.260		-27.3	174.5	0.096532	778 45	17.71 6230 42.3	35 2.4	6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	2400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
10:90 CPTEG:CPH 10% RIF		0.533	0.734	-7.27	175.5		161 45	19.7 6894 37.4		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 10% RIF			0.760	-1.56	162.8			17.67 6225 41.3		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
30:70 CPTEG:CPH 10% RIF	0.940	0.715	0.819	-7.59	172.0	0.106705	784 45	20.97 7412 35.0	2.6	6.0	12.0	0.367521368	0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
50:50 CPTEG:CPH 10% RIF			0.872	-13.1	160.3			16.89 6099 32.0		6.0	12.0		0.495726496	0	0.034188034	0.102564103	822.94	183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
10:90 CPTEG:CPH 10% RIF			0.733	-13.1	178.8			19.7 6894 37.4		6.0	12.0	0.367521368		ô	0.034188034	0.102564103	822.94	183	\$400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
20:80 CPTEG:CPH 10% RIF		0.616		-15.5				17.67 6225 41.2		6.0	12.0		0.495726496		0.034188034			183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
30:70 CPTEG:CPH 10% RIF		0.698		-9.16		0.128442		20.97 7412 35.0				0.367521368			0.034188034			183	1400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5
50:50 CPTEG:CPH 10% RIF	1.058	0.785	0.857	-18.2	177.0	0.099318	271 45	16.89 6099 32.0	3 B	6.0	\$2.0	0.367521368	0.495726496	ô	0.034188034	0.102564103	822.94	183	2400	2.7	6.9	7.53	1	14	6	220.15	5	225.58	86.46	5

Table S3. Principal component analysis raw input data. Encapsulation efficiencies (EE) are formatted as fractions.

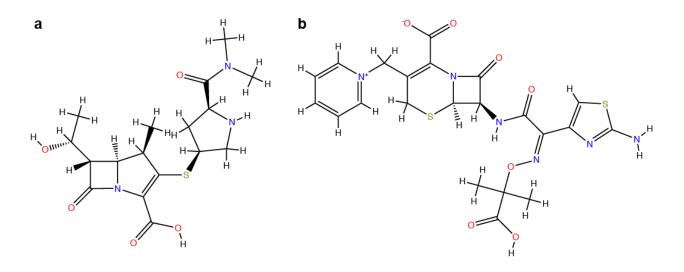


Figure S4. Chemical structures of antibiotics in model validation data set. Meropenem (MEM, a) and ceftazidime (CAZ, b) both contain sulfur atoms, which were not included in training data set.

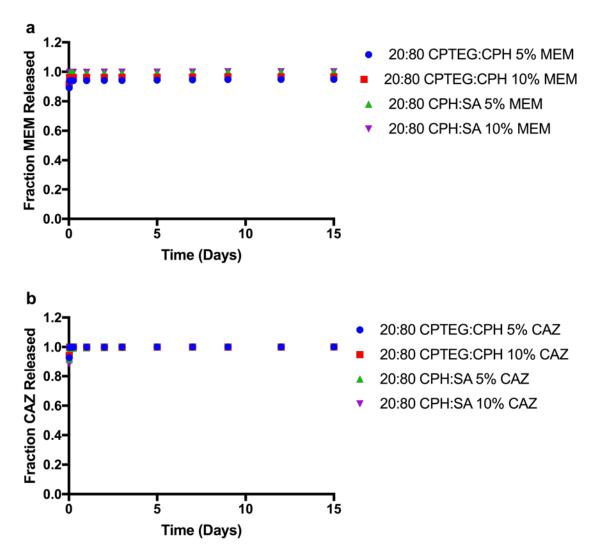


Figure S5. Release kinetics from nanoparticles encapsulating drugs not included in training data set. All formulations showed an extensive burst. Release property parameterization is shown in Table 3. Drug abbreviations: meropenem (MEM); ceftazidime (CAZ).