Table 1: The properties of PAA amphiphiles and their drug loaded polymeric self-assemblies with highest drug encapsulation. The data presented as mean ± (s.d.), n=3. [a]The numerals of the polymer abbreviation indicate the %expected mole modification based on initial molar feeds. P= propofol; Pred= prednisolone; Gri= griseofulvin

[a]Polymer	CaCo$_2$ IC$_{50}$ (µgmL^{-1})	%LC			%EE			Increment from drug aqueous solubility (-fold)			Size (nm)				PDI			
		P	Pred	Gri	P	Pred	Gri	P	Pred	Gri	unloaded	P	Pred	Gri	unloaded	P	Pred	Gri
Ch5	37.4 (3.7)	130	117	20	13	12	2	78	32	40	183 (2)	666 (79)	304 (4)	284 (6)	0.167 (0.101)	0.285 (0.004)	0.318 (0.014)	0.209 (0.012)
Fmoc5	22.9 (3.61)	8	99.2	-	8	20	-	5	14	-	199 (2)	310 (21)	359 (5)	-	0.140 (0.053)	0.125 (0.010)	0.144 (0.001)	-
Fmoc10	27.9 (9.62)	12	80	-	12	8	-	7	22	-	128 (3)	325 (15)	379 (2)	-	0.163 (0.015)	0.321 (0.110)	0.150 (0.050)	-
Dansyl5	17.4 (3.5)	98	162	-	20	16	-	59	22	-	120 (6)	402 (12)	431 (21)	-	0.285 (0.025)	0.111 (0.004)	0.125 (0.004)	-
Dansyl10	24.6 (0.9)	373	530	279	37	53	28	224	145	557	99 (29)	608 (49)	350 (4)	305 (7)	0.367 (0.153)	0.385 (0.009)	0.369 (0.007)	0.254 (0.012)