

Table S1 Contents of secondary structure elements of A β 42 during fibrillation in the absence and presence of EGCG analogs when added in the lag phase

	Time (h)	Helix (%)	Sheet (%)	Turn (%)	Unordered (%)
A β 42 alone	0	2.5	29.5	15.3	52.7
	3.2	4.9	38.6	22.5	34
	7	6	39.6	21.8	32.6
	13	4.4	44.2	19.9	31.5
	22	5.1	40.1	22.4	32.4
	36	5.2	38.9	21.9	34
EGCG	3.2	19.2	35.9	21.2	23.7
	7	7.3	33.6	22.3	36.8
	13	12.2	20.7	22.3	44.8
	22	19.2	15.7	20.2	44.9
	36	19.1	15.5	20.5	44.9
ECG	3.2	11.0	36.0	22.8	30.2
	7	12.2	38.2	21.3	28.3
	13	15.2	40.2	18.7	25.9
	22	19.8	32.7	19.9	27.6
	36	19.9	26.1	23.8	30.2
EGC	3.2	8.1	37	21.8	33.1
	7	23.5	40	17.3	19.2
	13	6	42.2	20	31.8
	22	8.1	38	21.8	32.1
	36	10.3	32.1	22.3	35.2
GCG	3.2	7	33.9	24.5	34.6
	7	9.8	31	24.7	34.5
	13	12.8	25.2	24.8	37.2
	22	16.7	18.6	24.6	40.1
	36	16.3	17.2	24.3	42.2

Triplicate experiments were conducted for each test and the standard errors were less than 12%.

Table S2 Contents of secondary structure elements of A β 42 during fibrillation in the presence of EGCG analogs when added in the growth phase

	Time (h)	Helix (%)	Sheet (%)	Turn (%)	Unordered (%)
A β 42 alone	10	5.3	40.2	22.4	32.1
EGCG	14	8.9	38.1	22.1	30.9
	21	9.6	31.7	24.9	33.7
	28	9.3	30.7	24.5	35.5
	36	10.5	28.3	24.6	36.6
	EGC	14	4.8	40.6	21.8
EGC	21	7.8	38.5	21.9	32.7
	28	8.7	35.5	22.7	33
	36	9.8	34.2	24.9	31.1
	EGC	14	8.8	41.2	23.4
GCG	21	6.9	38.9	21.3	32.9
	28	7.1	37.8	21.7	33.4
	36	7.4	38	23.1	31.6
	GCG	14	8.8	38.5	23.2
GCG	21	10.4	35.2	22.2	32.2
	28	9.4	32.2	24.2	34.2
	36	10.1	30.7	24.6	34.6

Triplicate experiments were conducted for each test and the standard errors were less than 12%.

Table S3 Contents of secondary structure elements of A β 42 during fibrillation in the presence of EGCG analogs when added in the equilibrium phase

	Time (h)	Helix (%)	Sheet (%)	Turn (%)	Unordered (%)
A β 42 alone	24	4.2	42.2	21.2	32.4
EGCG	25	4.5	41.8	20.5	33.2
	27	5.9	57.1	22.7	14.3
	30	1.7	38.9	28.8	30.6
	40	9.9	29.9	23.3	36.9
ECG	25	17	43.7	18.7	20.6
	27	21.4	47.8	7.2	23.7
	30	18.2	38.7	20.5	22.6
	40	18.1	34.8	16.5	30.6
EGC	25	6.4	41.7	20.6	31.3
	27	2.9	43.4	20.3	33.4
	30	3.3	45.3	20	31.4
	40	8.9	36.7	21.6	33.2
GCG	25	5.5	41.7	19.9	34.7
	27	3.6	52.7	15.8	27.9
	30	8.5	33.9	22.3	35.3
	40	7.8	31.5	21.9	38.8

Triplicate experiments were conducted for each test and the standard errors were less than 12%.

Fig. S1

