

FIG. 1A

In vivo activities of PHY906

Batch	Enhancement of CPT11 action	Body weight protection
6	++	++
10	++	++
11	++	++
F	+	-

FIG. 1B

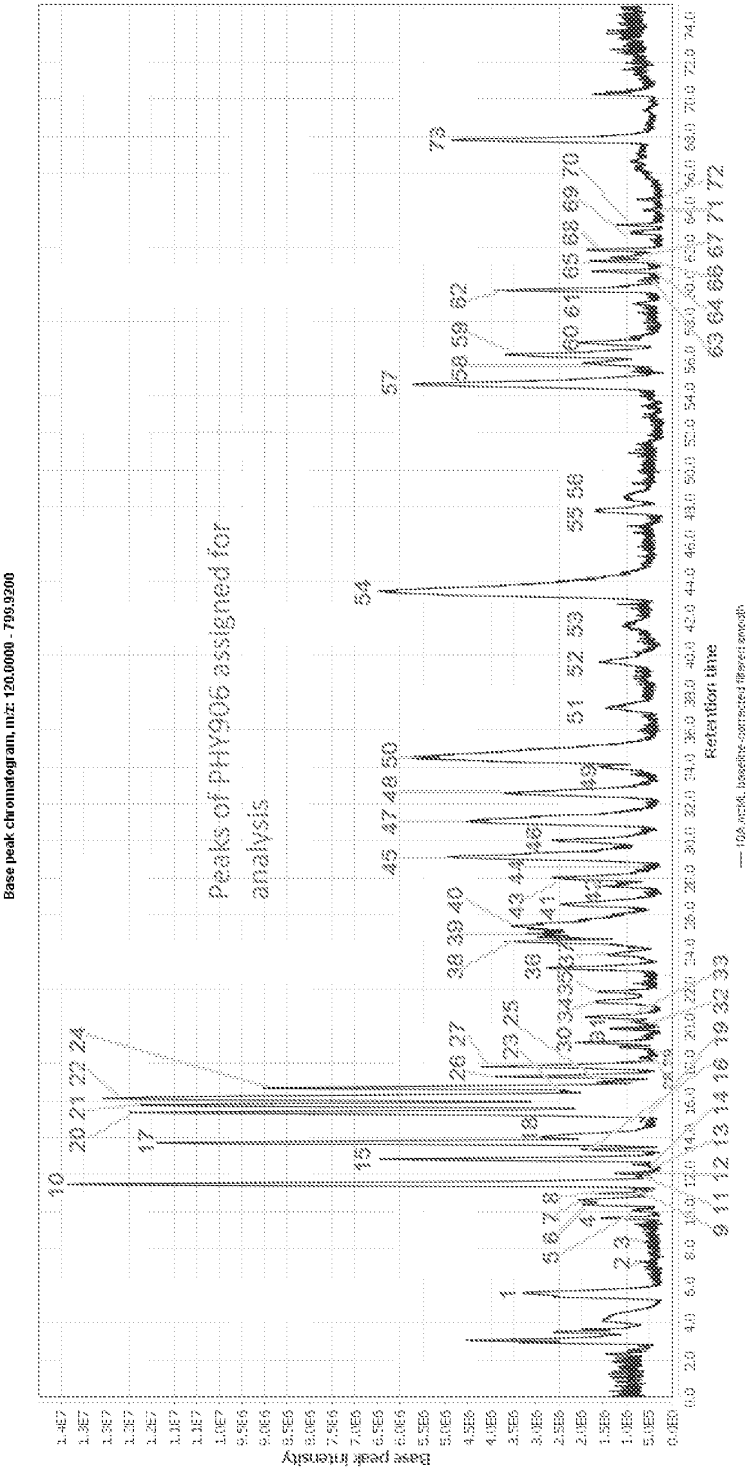
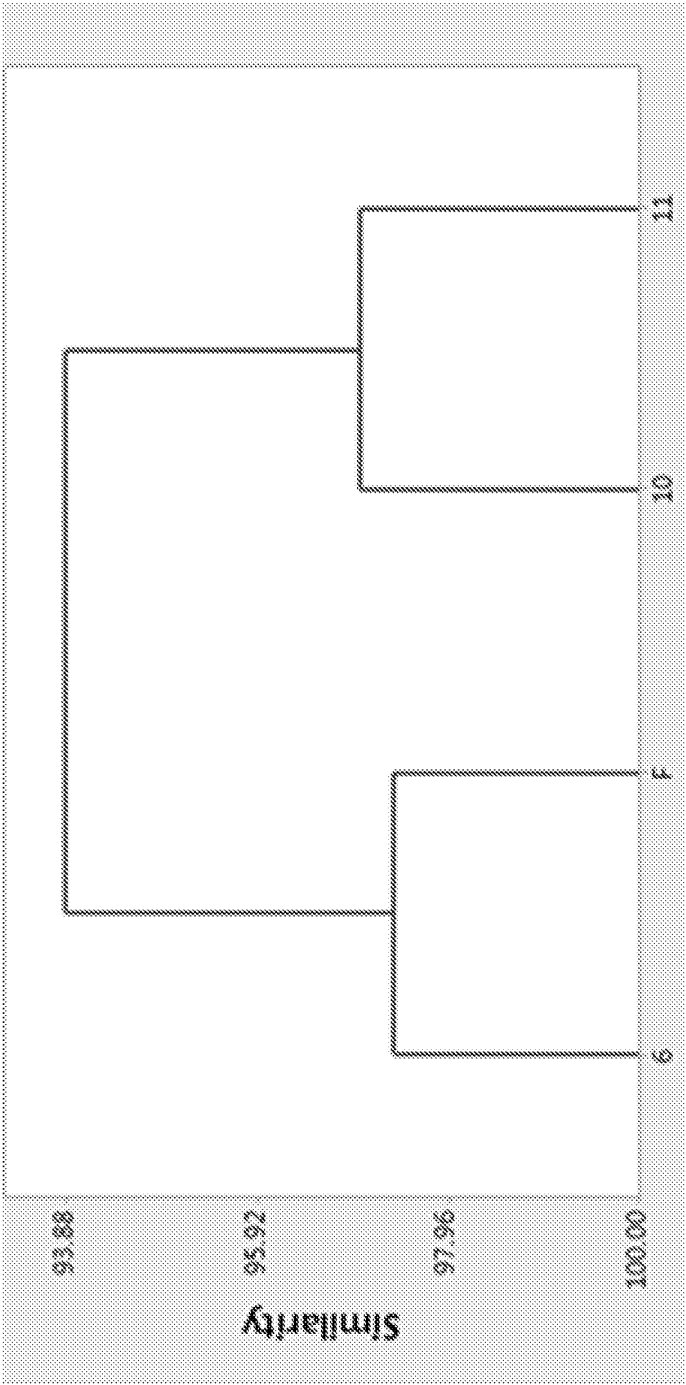


FIG. 1C
Similarity based on chemical profiles

similarity	6	10	11	F
PHY906-6	1	0.93	0.935	0.958
PHY906-10	0.93	1	0.954	0.951
PHY906-11	0.935	0.954	1	0.911
F	0.958	0.951	0.911	1

FIG. 1D
Clustering analysis based on chemical profiles



PHY906-6 F PHY906-10 PHY906-11

FIG. 2A

Signal Transduction Activity Response

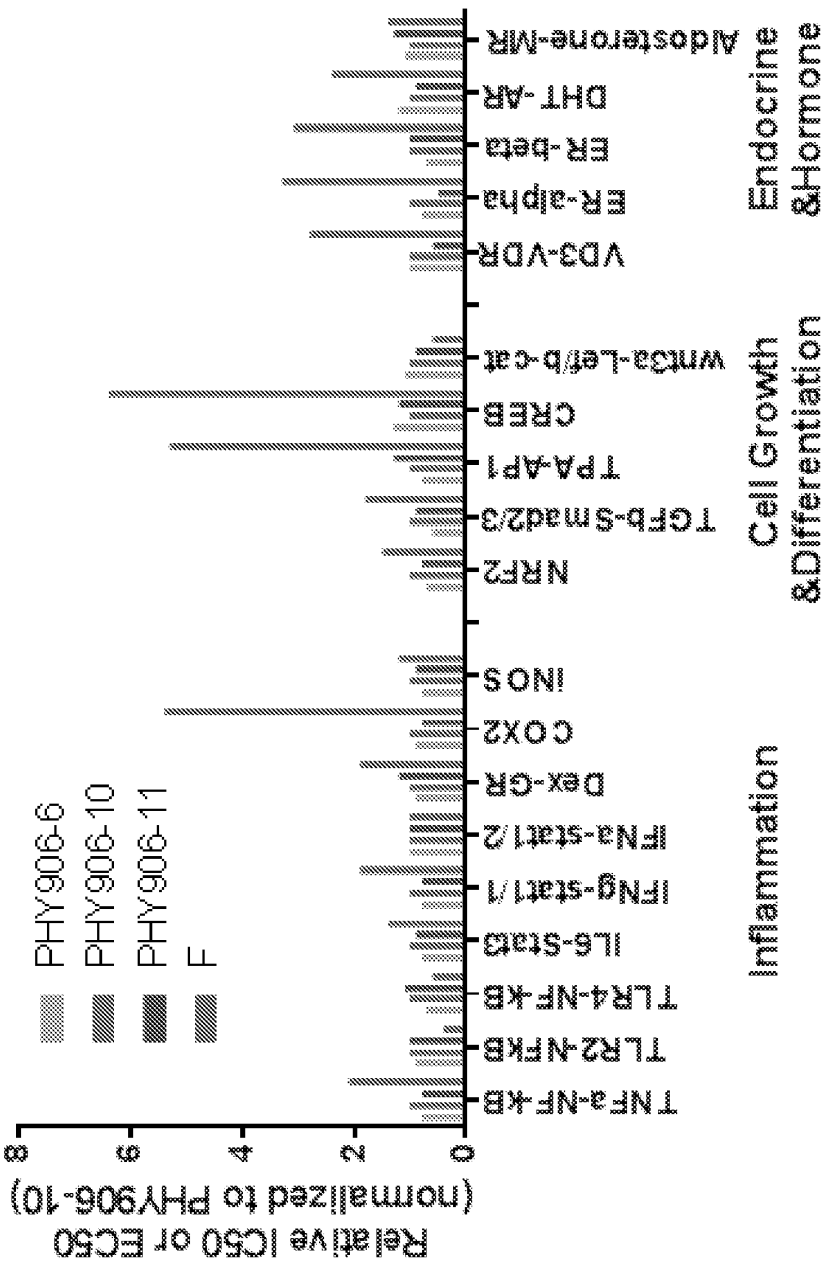
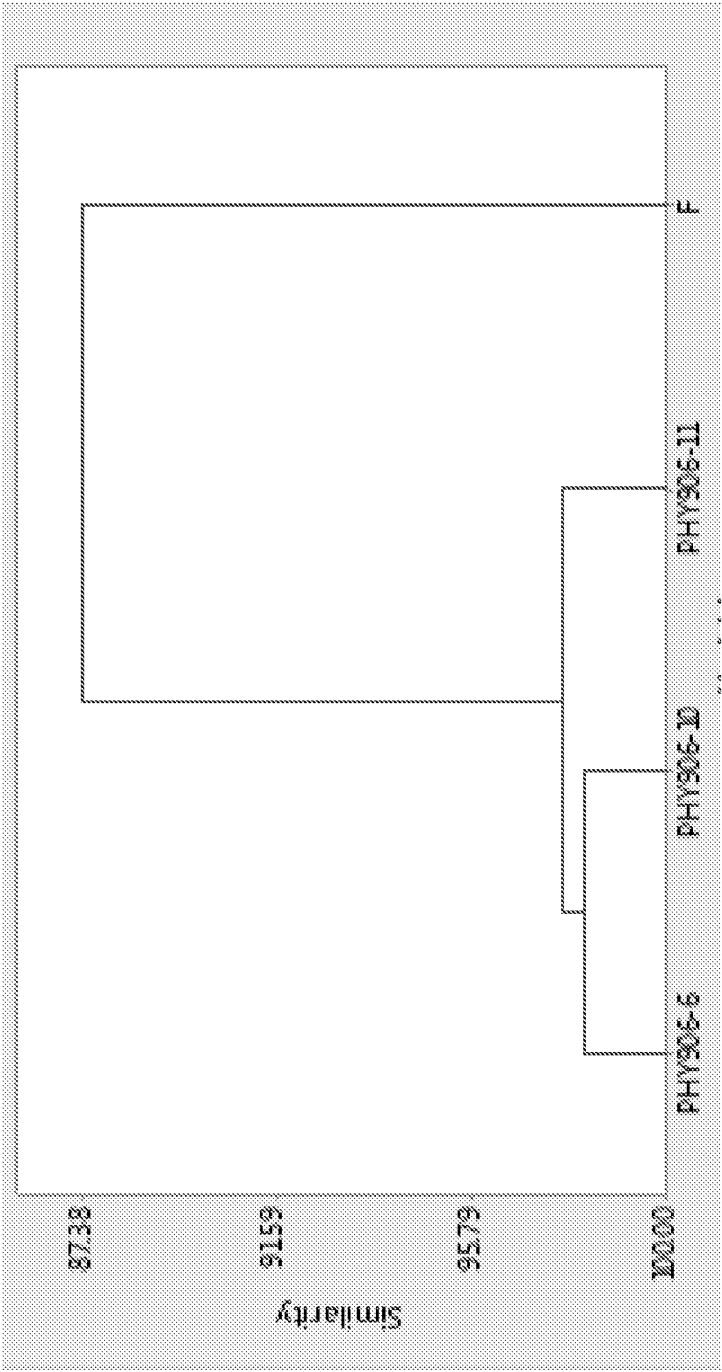


FIG. 2B

Correlation coefficient of different batchs of PHY906 close to 1				
	PHY906-6	PHY906-10	PHY906-11	F
PHY906-6	1	0.964	0.955	0.775
PHY906-10	0.964	1	0.959	0.840
PHY906-11	0.955	0.959	1	0.747
F	0.775	0.840	0.747	1

FIG. 2C



PHY906-6 PHY906-10 PHY906-11 F

FIG. 3A

		PHY906-6	PHY906-10	PHY906-11	F
		AVE $\pm$ SD	AVE $\pm$ SD	AVE $\pm$ SD	AVE $\pm$ SD
Inflammation	ICAM	2.1 $\pm$ 0.4	1.6 $\pm$ 0.2	1.6 $\pm$ 0.2	0.9 $\pm$ 0.1
	IRF5	1.9 $\pm$ 0.1	1.7 $\pm$ 0.1	1.7 $\pm$ 0.2	1.2 $\pm$ 0.3
Anti-oxidation	AKR1C1	6.4 $\pm$ 0.8	5.4 $\pm$ 0.9	5.3 $\pm$ 0.8	2.8 $\pm$ 1.2
	HO1	1.7 $\pm$ 0.2	1.9 $\pm$ 0.2	1.6 $\pm$ 0.2	1.7 $\pm$ 0.2
	GCLC	5.1 $\pm$ 0.1	3.9 $\pm$ 0.2	4.0 $\pm$ 0.7	2.1 $\pm$ 0.7
	GCLM	9.3 $\pm$ 0.7	7.2 $\pm$ 0.4	7.9 $\pm$ 1.1	4.3 $\pm$ 1.3
Growth and differentiation	Axin2	0.9 $\pm$ 0.3	0.8 $\pm$ 0.4	0.8 $\pm$ 0.2	0.6 $\pm$ 0.3
	GDF15	35.9 $\pm$ 5.8	20.4 $\pm$ 1.5	20.5 $\pm$ 0.5	6.1 $\pm$ 2.5
	IGFBP3	1.6 $\pm$ 0.8	1.5 $\pm$ 0.5	1.1 $\pm$ 0.1	1.5 $\pm$ 0.4
	OKL38	6.0 $\pm$ 0.7	5.8 $\pm$ 0.7	5.7 $\pm$ 0.6	3.7 $\pm$ 0.2
	PIM1	15.2 $\pm$ 2.7	7.4 $\pm$ 2.3	9.1 $\pm$ 4.1	3.3 $\pm$ 1.8
	SERTAD	3.0 $\pm$ 0.2	2.0 $\pm$ 0.2	2.2 $\pm$ 0.5	1.1 $\pm$ 0.3
	SOS1	6.4 $\pm$ 1.1	9.8 $\pm$ 1.4	8.9 $\pm$ 1.5	9.1 $\pm$ 1.9
Metabolism	BHMT2	1.5 $\pm$ 0.4	1.9 $\pm$ 0.4	1.8 $\pm$ 0.4	1.5 $\pm$ 0.3
	CPT1A	2.0 $\pm$ 0.6	2.2 $\pm$ 0.4	2.1 $\pm$ 0.4	1.7 $\pm$ 0.5
Cell-cell interaction and cytoskeleton	SLC7A11	11.6 $\pm$ 3.2	6.3 $\pm$ 1.3	6.6 $\pm$ 2.0	2.4 $\pm$ 0.6
	CD24	0.4 $\pm$ 0.2	0.3 $\pm$ 0.1	0.4 $\pm$ 0.1	0.3 $\pm$ 0.1
	EMP2	2.0 $\pm$ 0.3	2.3 $\pm$ 0.4	2.2 $\pm$ 0.6	1.5 $\pm$ 1.0
	KRT23	2.0 $\pm$ 0.1	2.0 $\pm$ 0.1	1.9 $\pm$ 0.2	1.0 $\pm$ 0.3

FIG. 3B

Correlation analysis

	PHY906-6	PHY906-10	PHY906-11	F
PHY906-6	1	0.949	0.966	0.585
PHY906-10	0.949	1	0.995	0.798
PHY906-11	0.966	0.995	1	0.768
F	0.585	0.798	0.768	1

FIG. 3C

