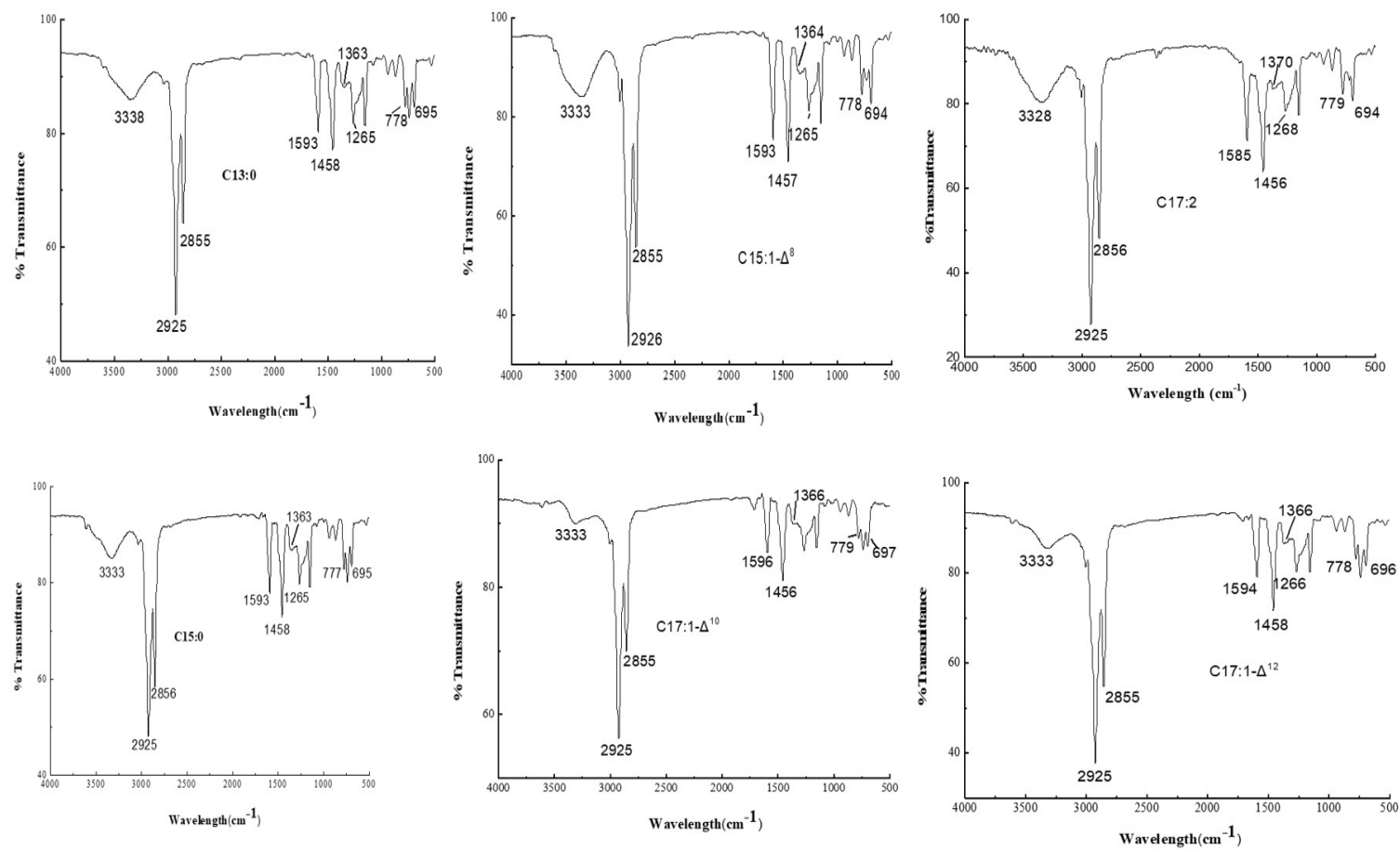
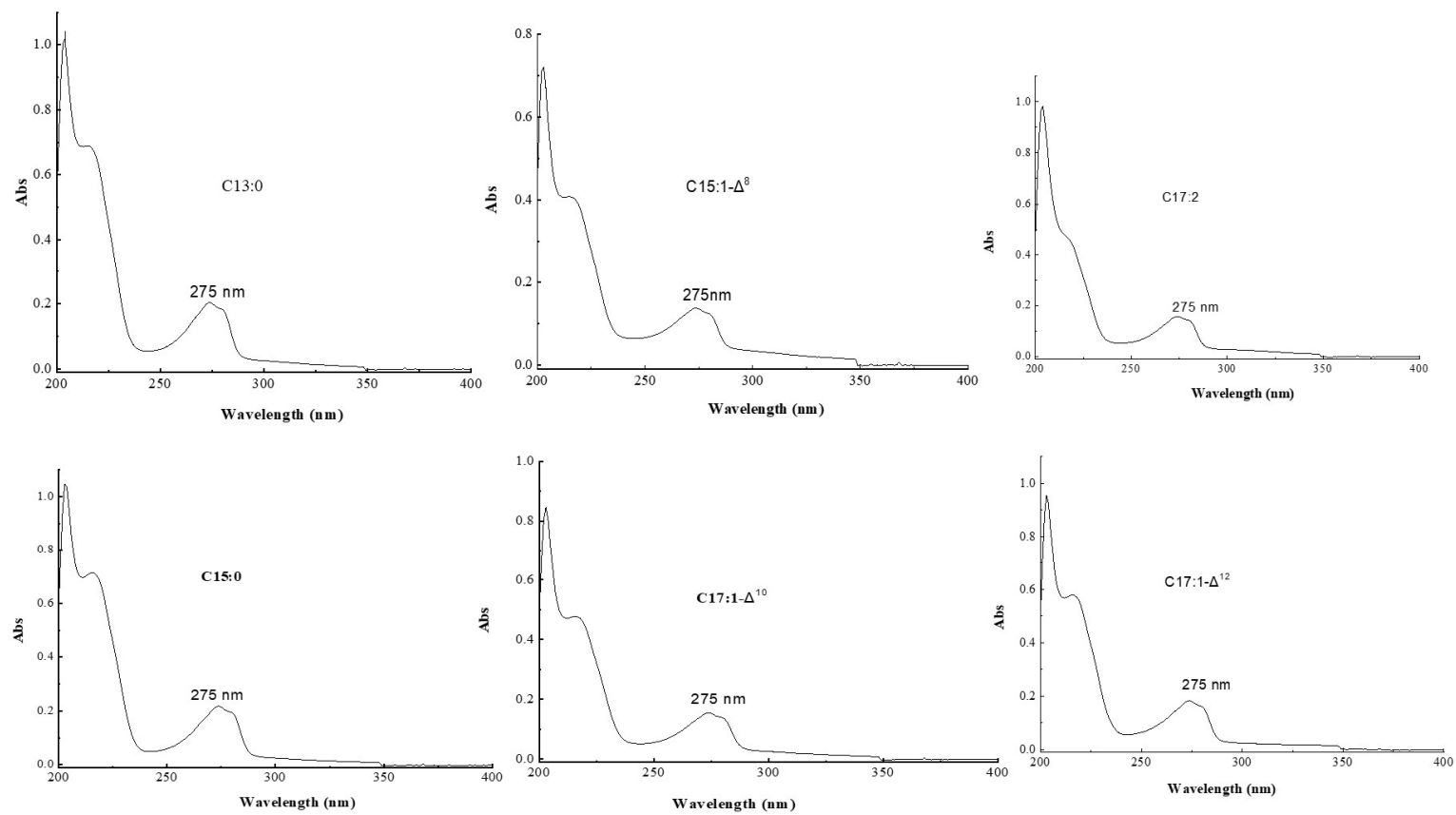


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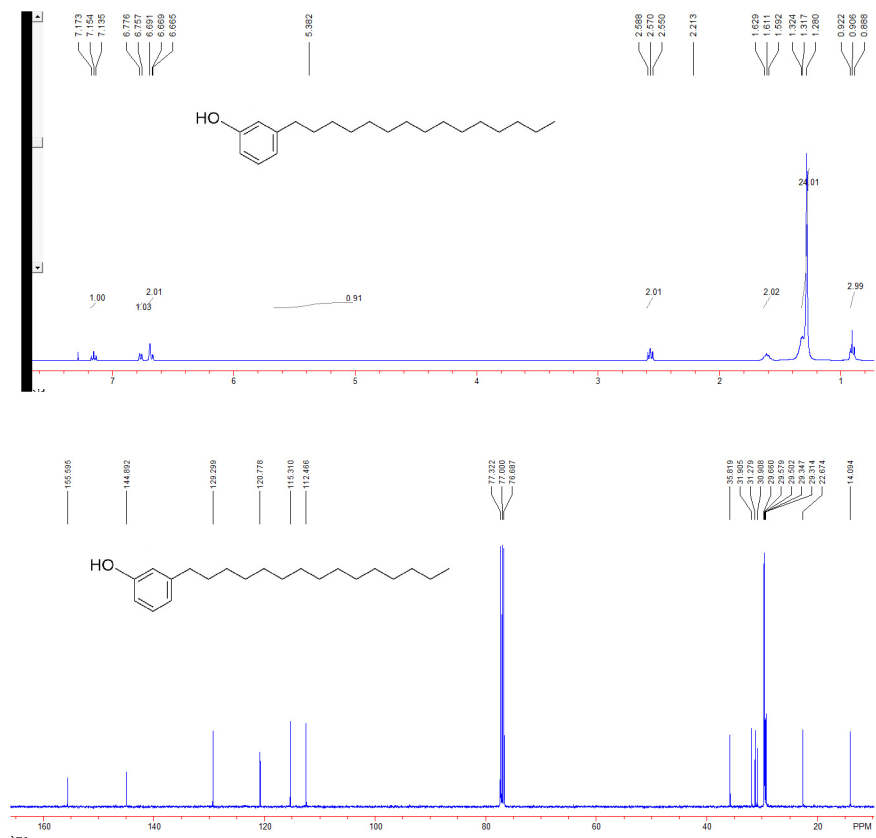
## Supplementary materials



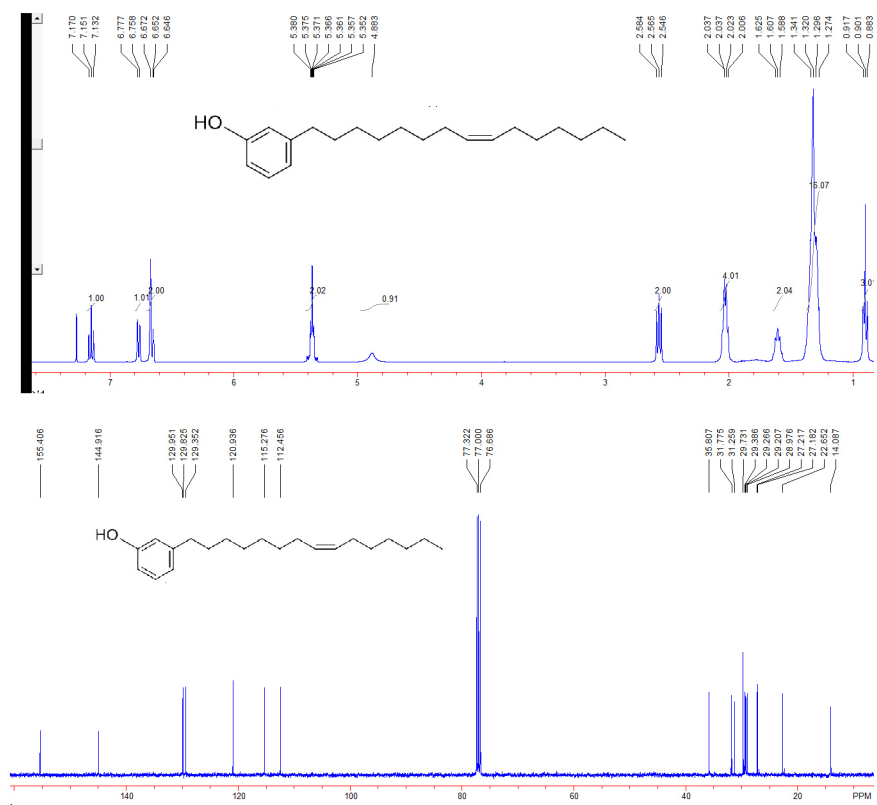
**Figure S1.** FTIR spectra of six ginkgols.



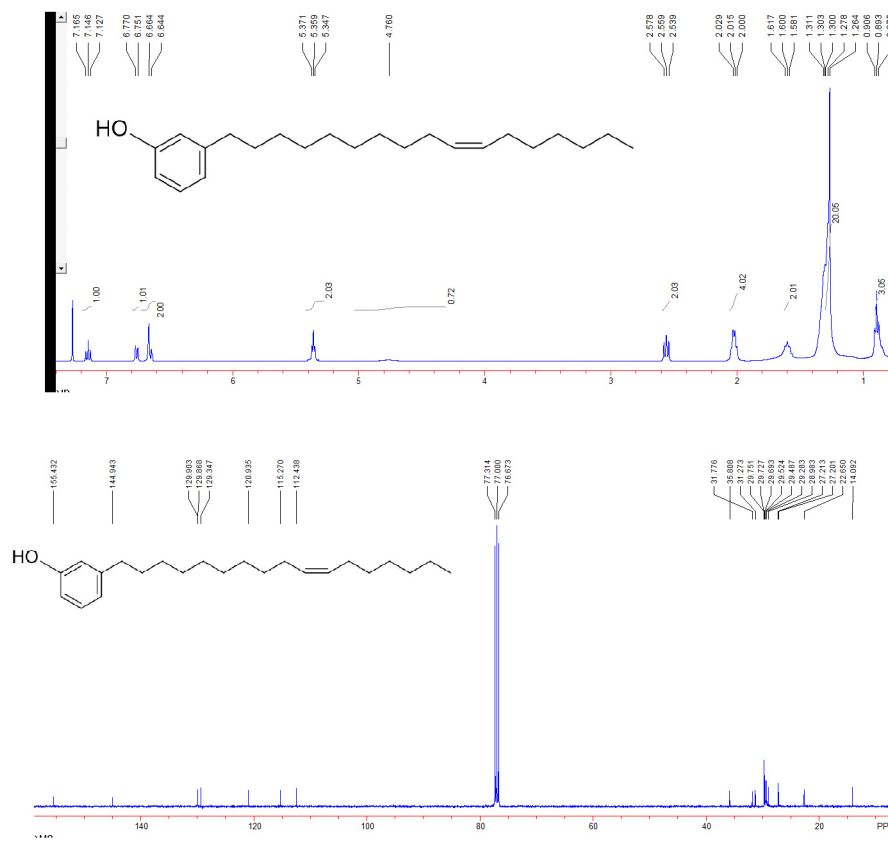
**Figure S2.** UV spectra of six ginkgols.



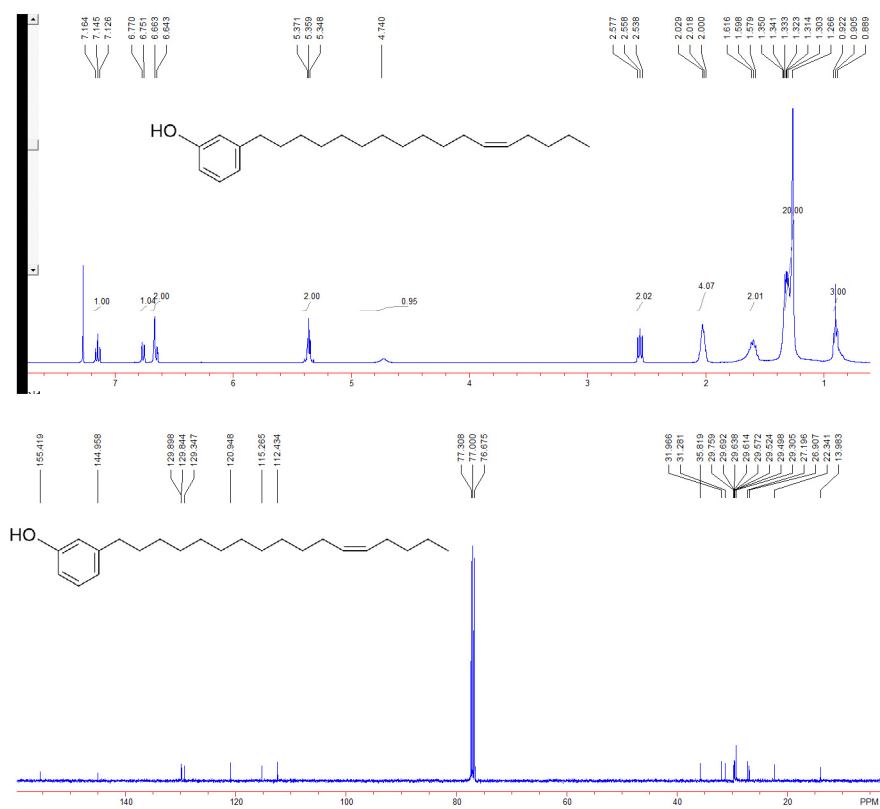
Ginkgol C15:0



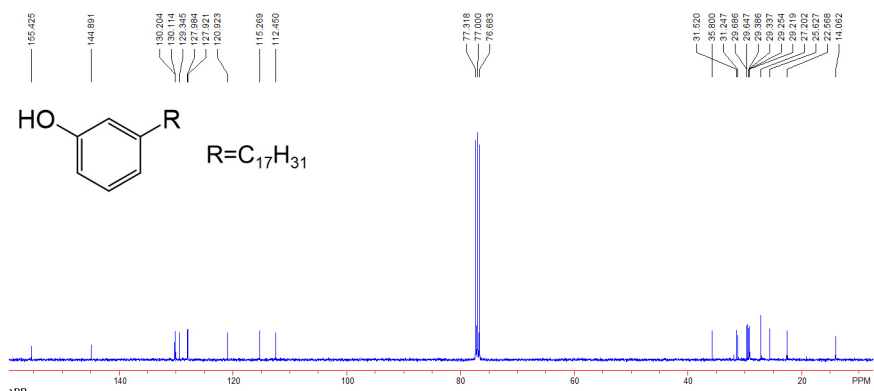
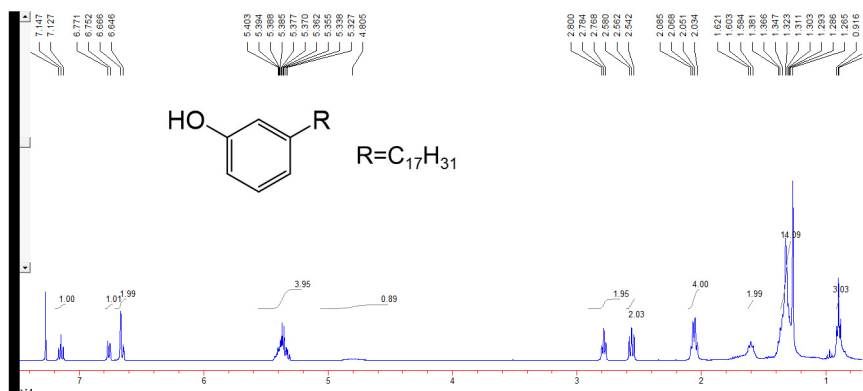
Ginkgol C15:1



Ginkgol C17:1- $\Delta^{10}$

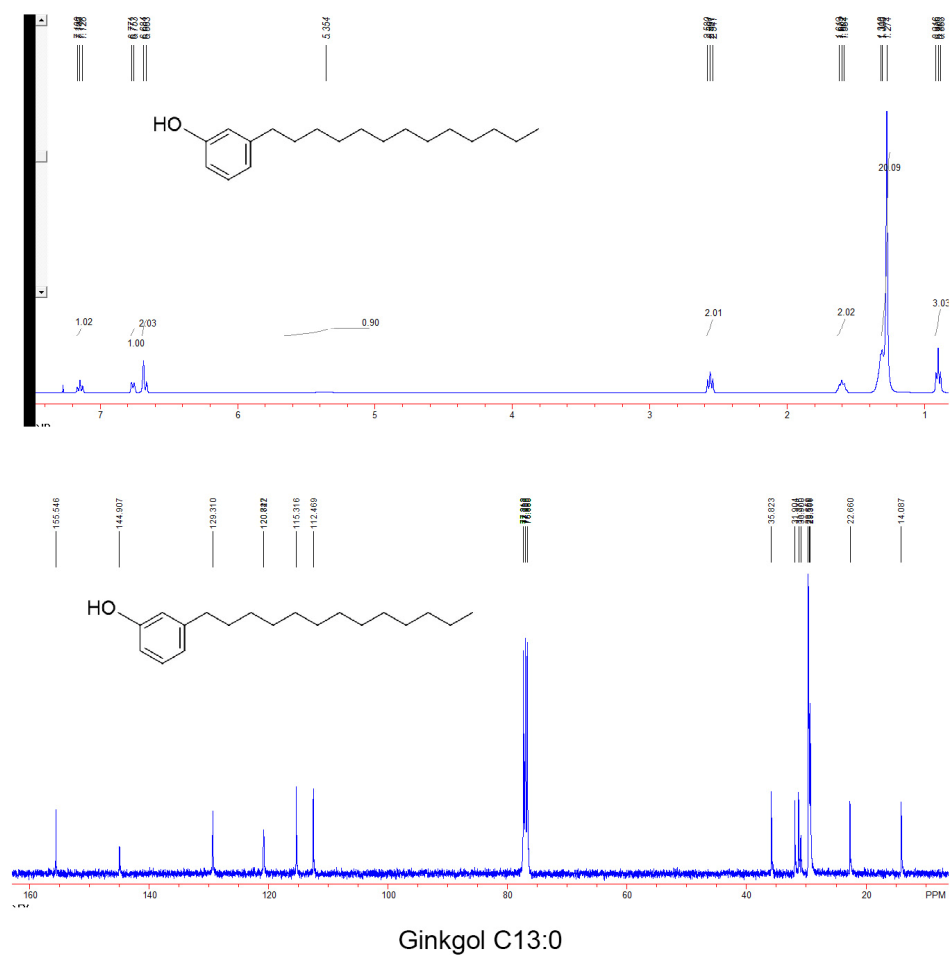


Ginkgol C17:1- $\Delta^{12}$

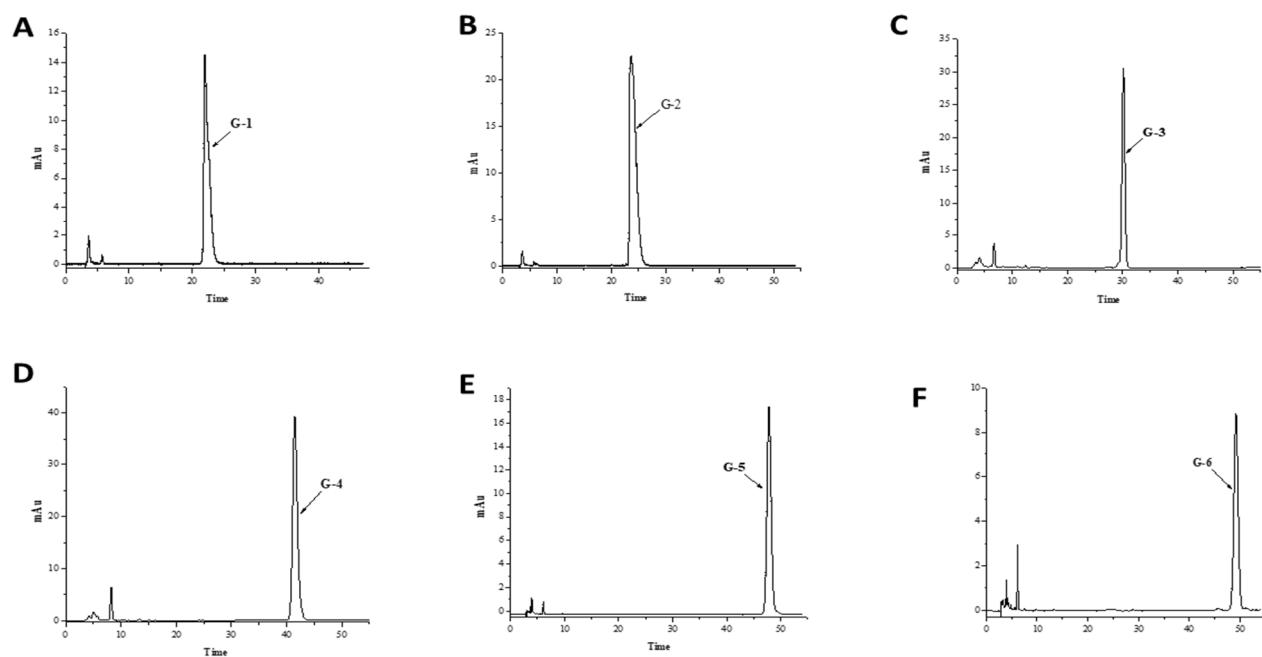


Ginkgol C17:2





**Figure S3.**  $^1\text{H}$ NMR, and  $^{13}\text{C}$ NMR spectra of six ginkgols.



**Figure S4.** The chromatograms of the various ginkgolides G-1, G-2, G-3, G-4, G-5, and G-6.

**Table S1.** Molarity of six ginkgols for anticancer activity assay

Ginkgol & Molecular weight						
	C13:0 (276)	C15:1- $\Delta^8$ (302)	C17:2 (328)	C15:0 (304)	C17:1- $\Delta^{10}$ (330)	C17:1- $\Delta^{12}$ (330)
Concentration ( $\mu\text{g/ml}$ )	Corresponding molarity ( $\mu\text{M}$ )					
5	18.12	16.56	15.24	16.45	15.15	15.15
10	36.23	33.11	30.49	32.89	30.30	30.30
20	72.46	66.23	60.98	65.79	60.61	60.61
30	108.70	99.34	91.46	98.68	90.91	90.91
40	144.93	132.45	121.95	131.58	121.21	121.21