Supporting Information for

Design, synthesis, theoretical study, and antioxidant activity of aromaticity-extended resveratrol derivatives incorporating chalcogen

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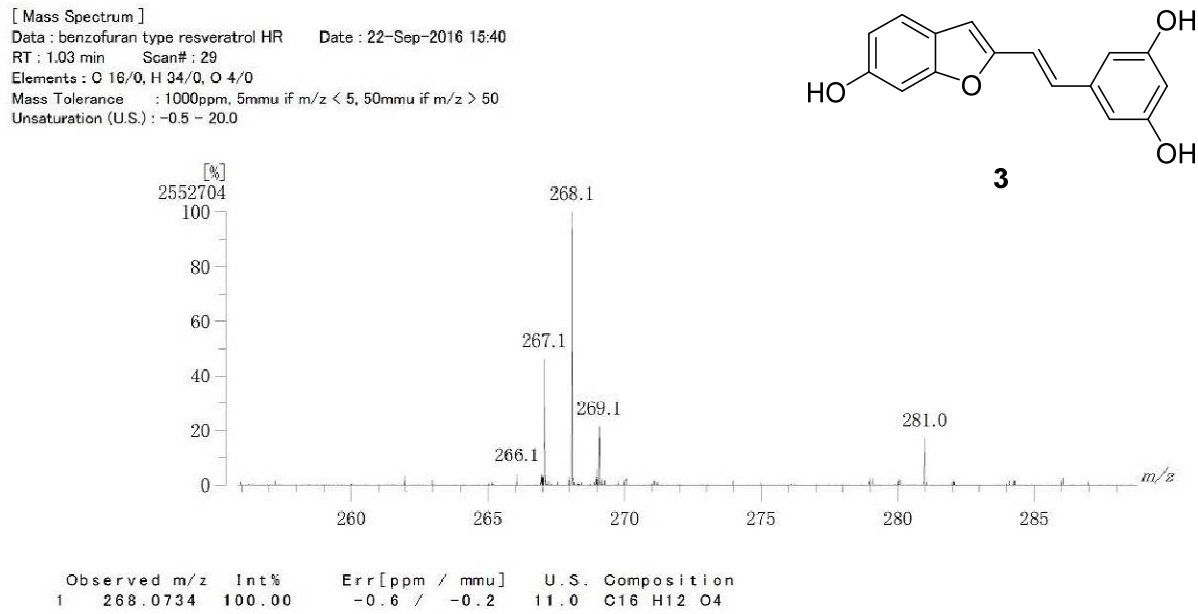
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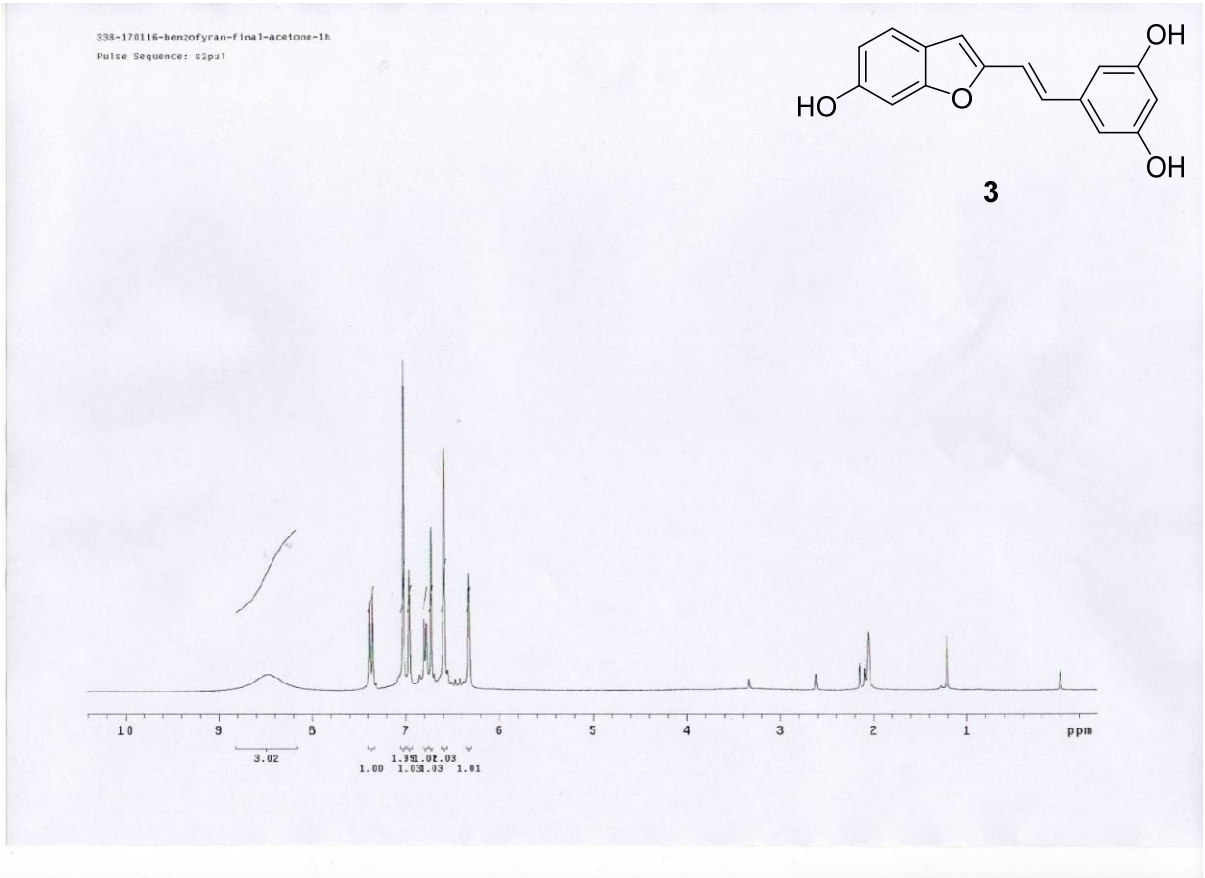
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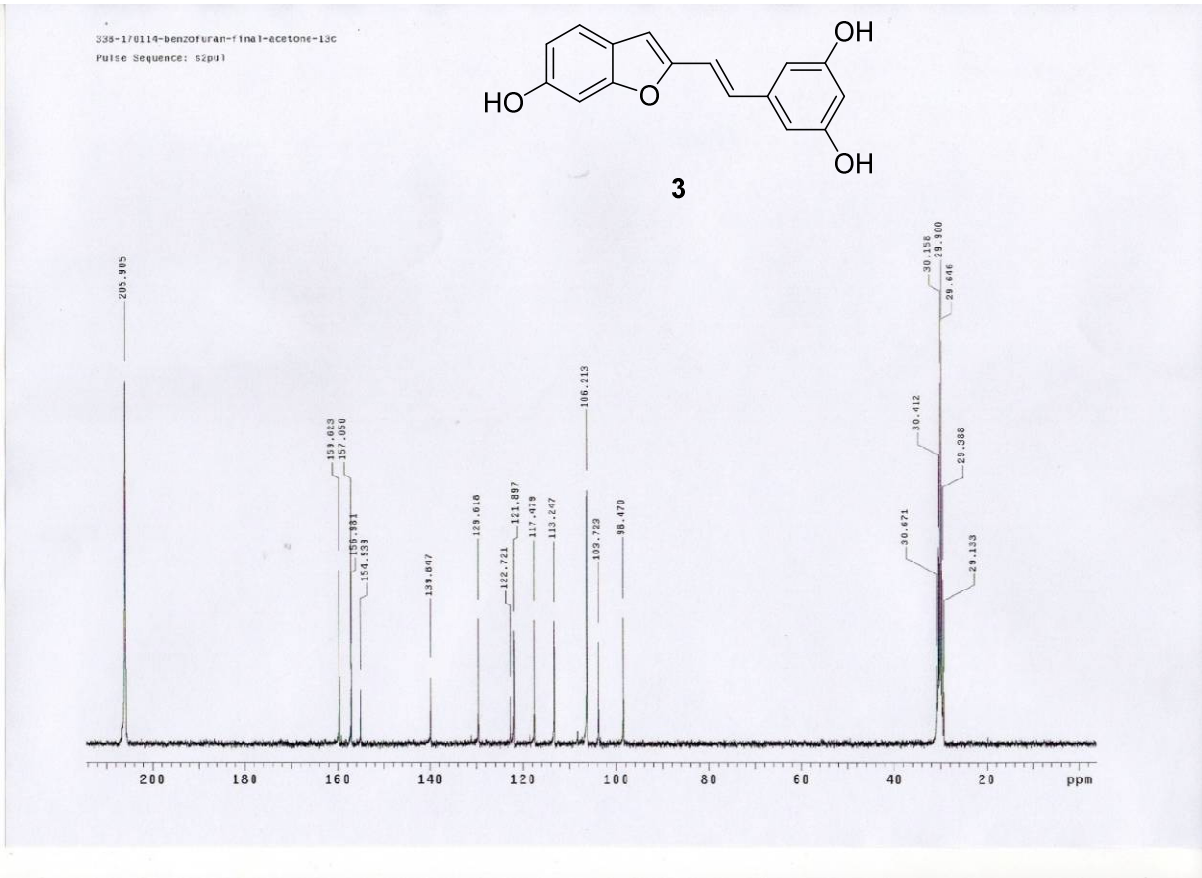
HRMS, ^{1}H-, and ^{13}C-NMR spectra of compound 3, 4, and 5



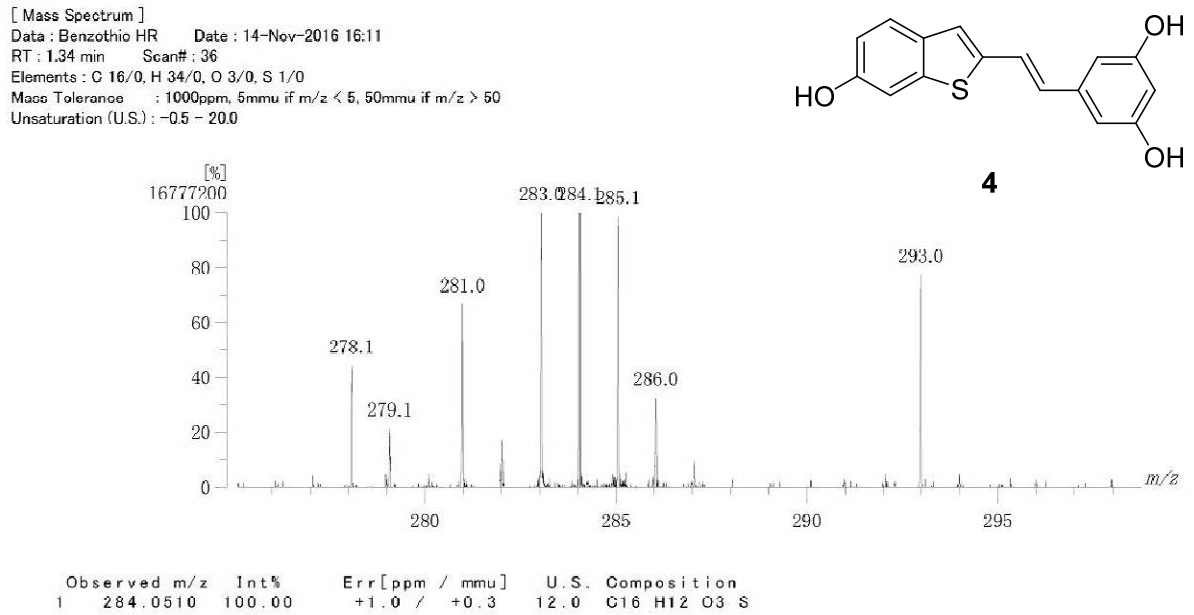
HRMS spectra of compound 3



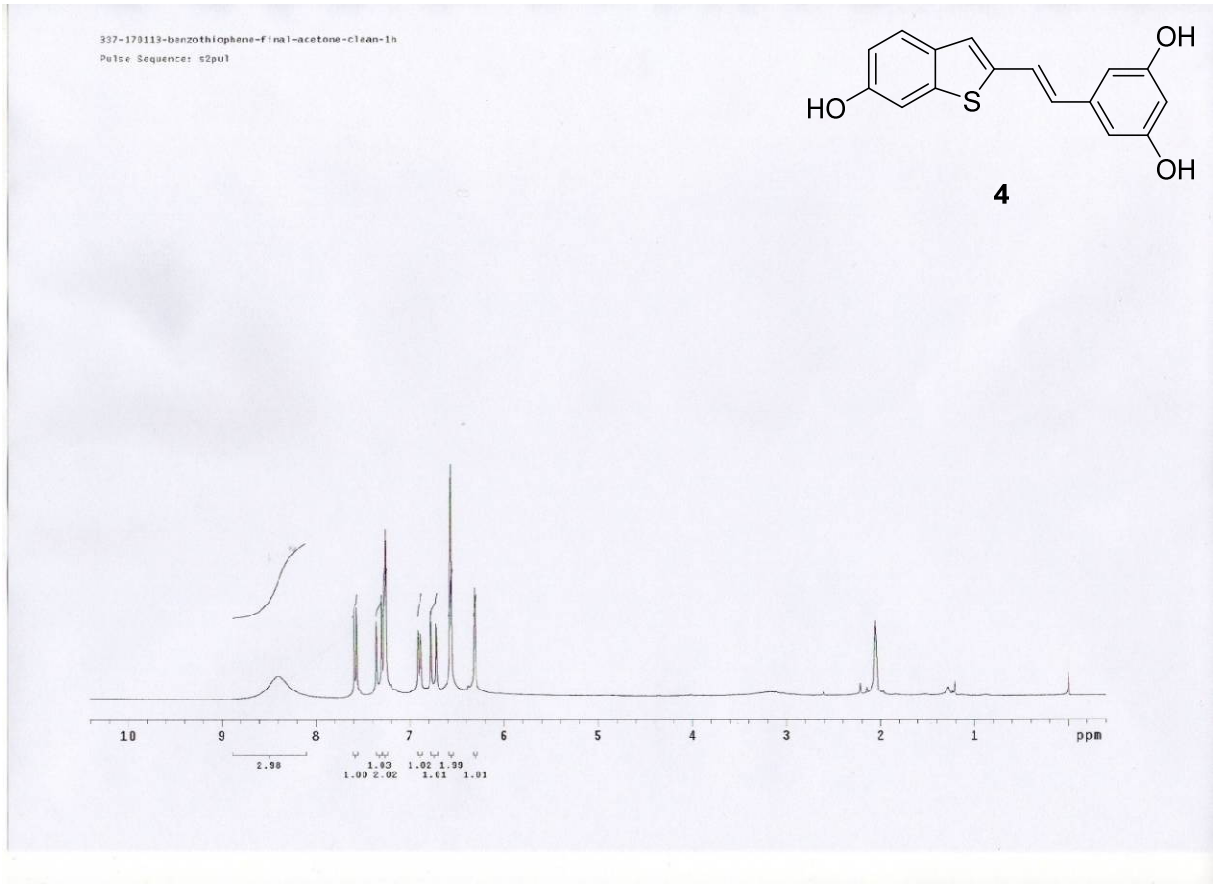
^{1}H NMR (300 MHz, $(CD_3)_2CO$) spectrum of compound 3



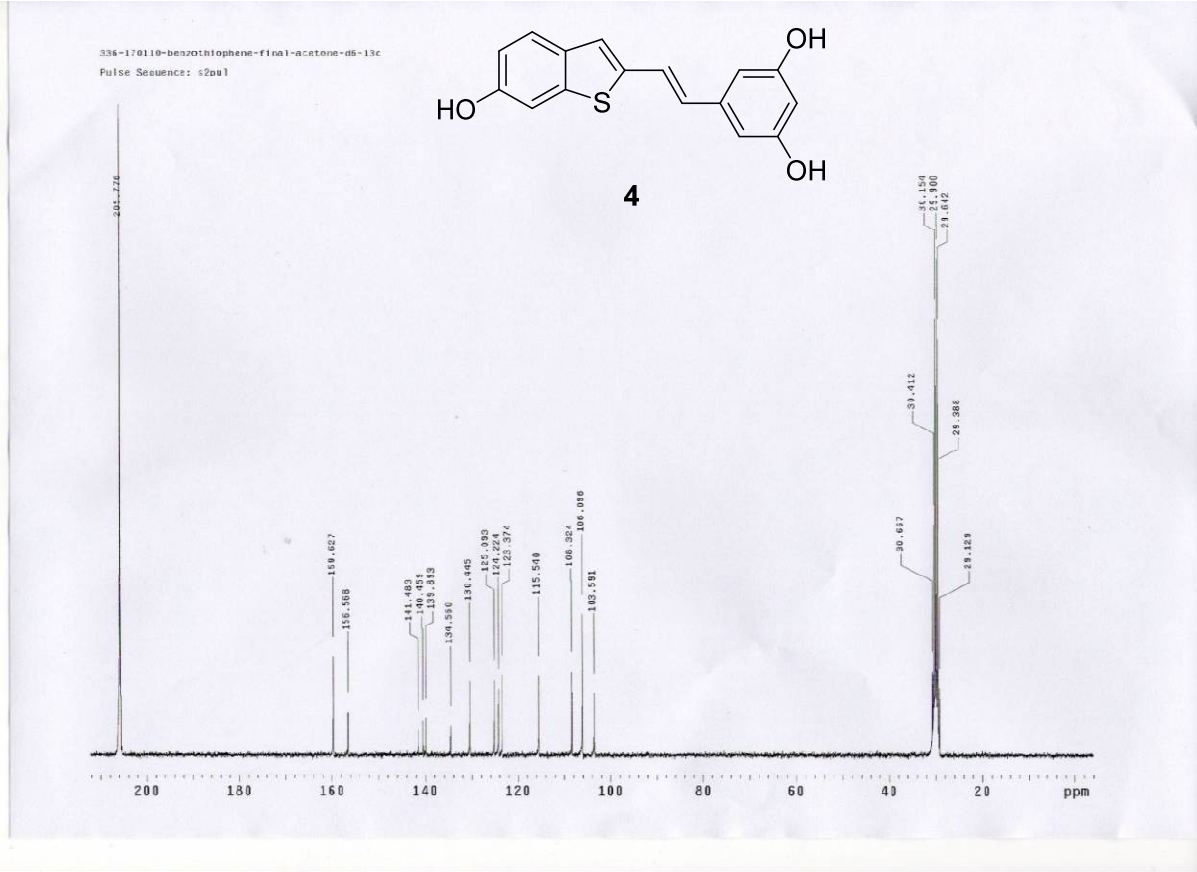
^{13}C NMR (75 MHz, $(CD_3)_2CO$) spectrum of compound 3



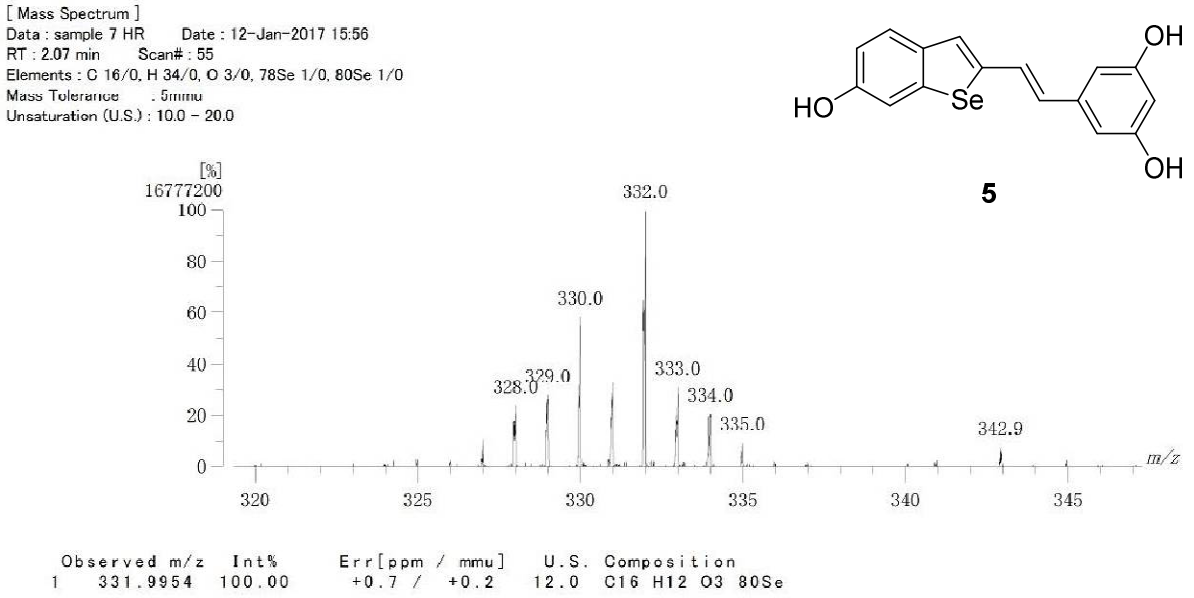
HRMS spectra of compound 4



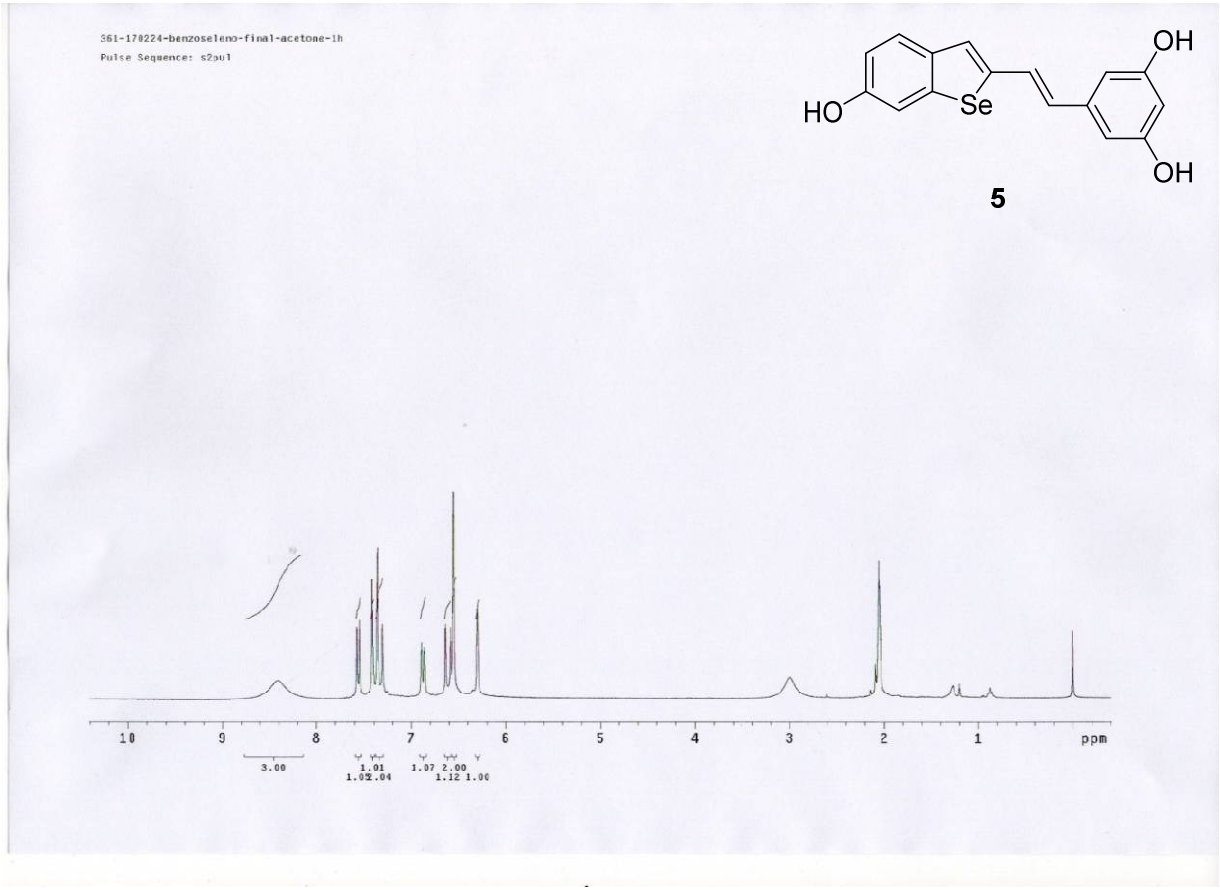
^{1}H NMR (300 MHz, $(CD_3)_2CO$) spectrum of compound 4



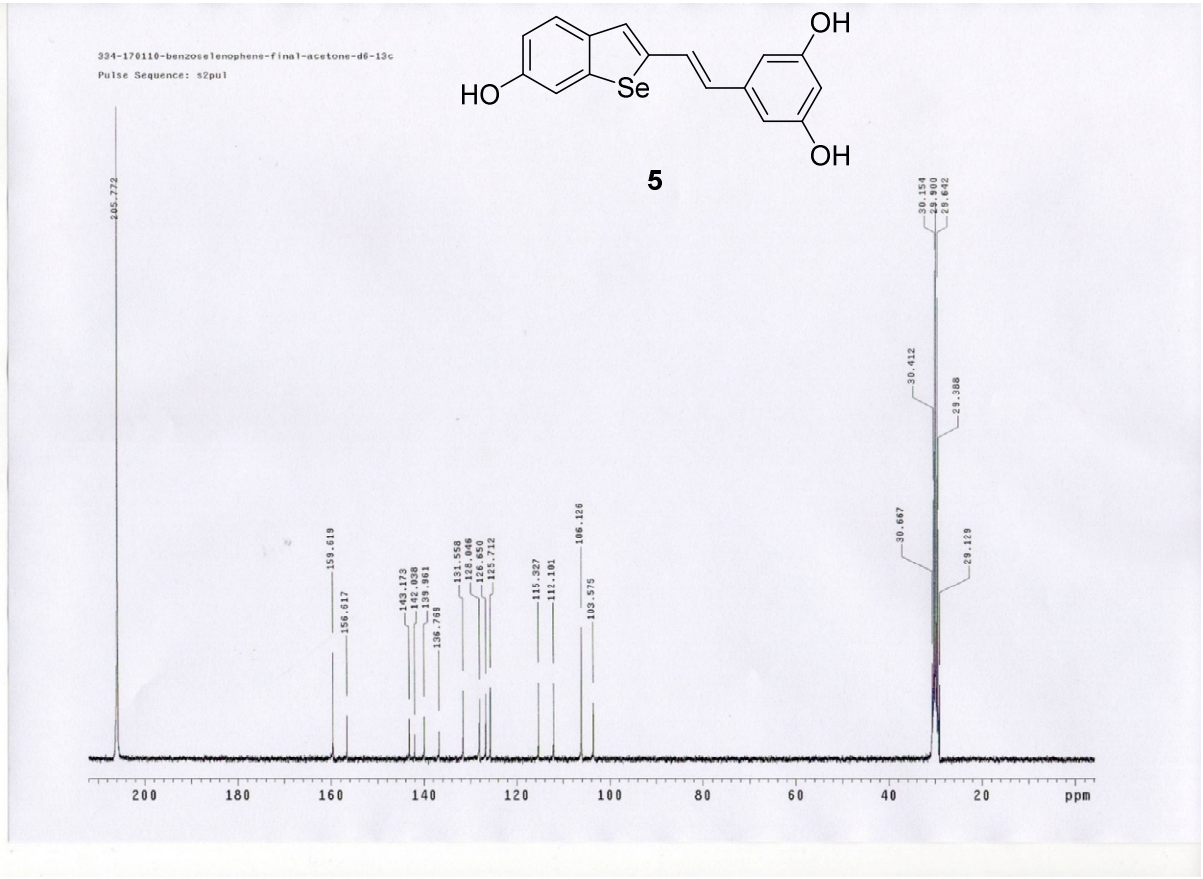
^{13}C NMR (75 MHz, $(CD_3)_2CO$) spectrum of compound 4



HRMS spectra of compound 5



^{1}H NMR (300 MHz, $(CD_3)_2CO$) spectrum of compound 5



^{13}C NMR (75 MHz, $(CD_3)_2CO$) spectrum of compound 5

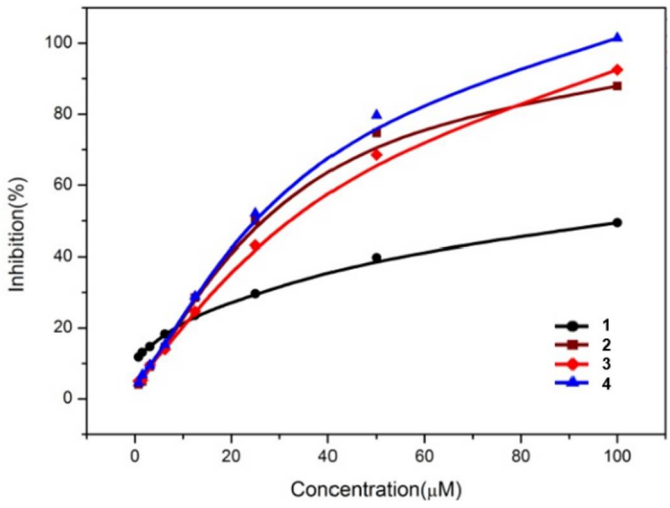


Figure S1. Radical scavenging activities of resveratrol **1** and aromaticity extended resveratrol derivatives (**3**–**5**) in DPPH assay.

Table S1. IC_{50} values of resveratrol **1** and aromaticity-extended resveratrol derivatives (**3**–**5**) in ABTS assay.

Compound	IC_{50} (μM)
1	> 100
3	40.20±0.89
4	46.52±3.42
5	36.71±1.41