

SUPPLEMENTARY MATERIAL

Diarylheptanoids from the Fresh Pericarps of *Juglans sigillata*

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Abstract One new diarylheptanoid, (3*S*)-3', 4''-epoxy-1-(4'-hydroxyphenyl)-7- (3''-hydroxyphenyl)-heptane-3-hydroxy (**1**), together with eleven known ones (**2-12**), was isolated from the fresh pericarps of *Juglans sigillata* (Juglandaceae). Their structures were elucidated on the basis of extensive spectroscopic methods, including HR-ESI-MS, 1D and 2D NMR. All isolates were evaluated for their cytotoxic activities *in vitro* against the growth of human cancer cells lines HT-29 and MCF-7 by MTT assay.

Keywords: *Juglans sigillata*; Juglandaceae; fresh pericarps; diarylheptanoids

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Table S1 Cytotoxic activities of compounds **1-12** against HT-29 and MCF-7 cell lines

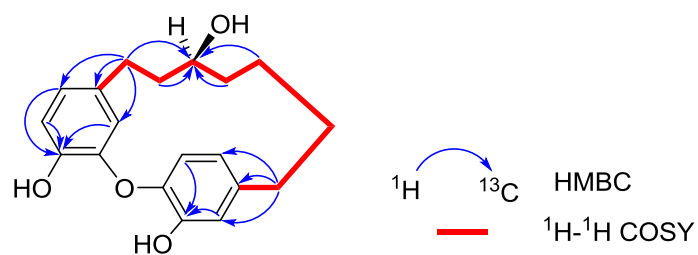


Figure S1. Key ^1H - ^1H COSY and HMBC correlations of compound **1**

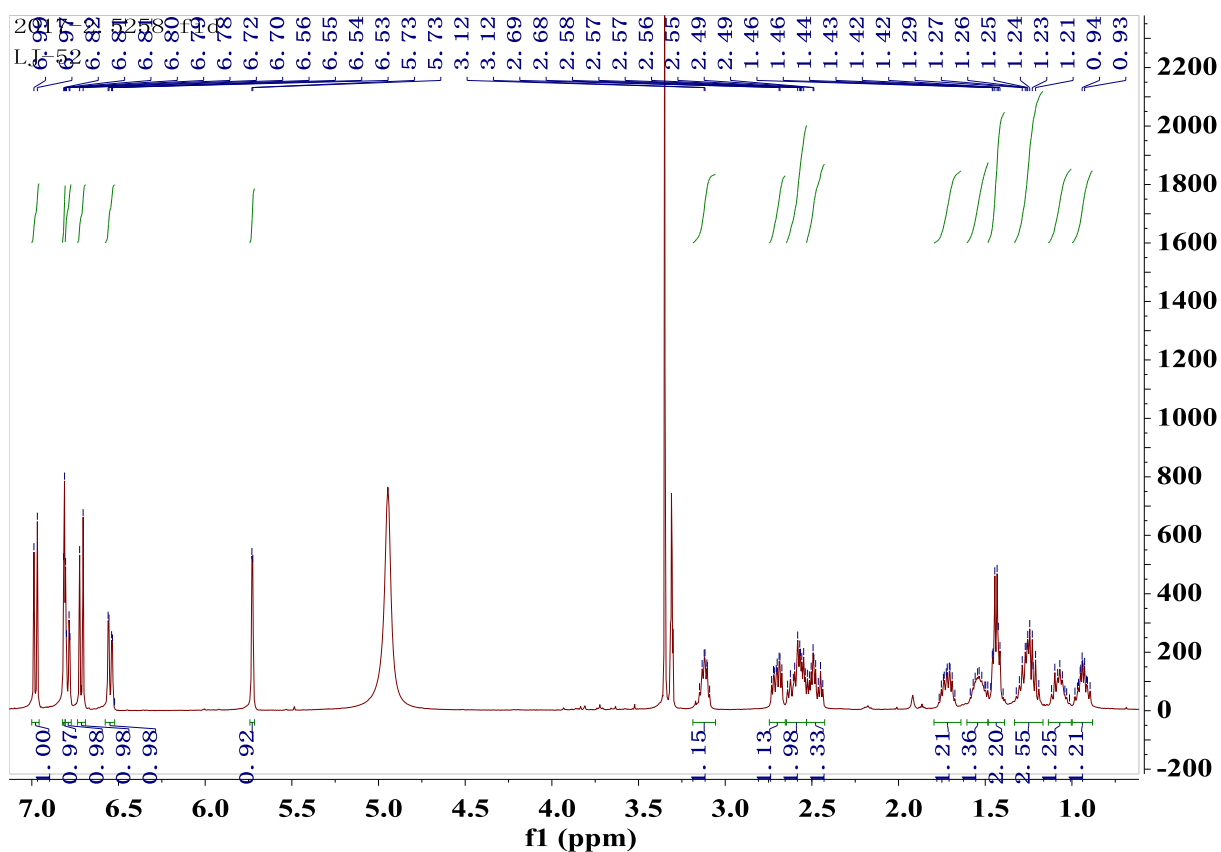


Figure S2. ^1H -NMR spectrum of compound **1** in CD_3OD (400MHz)

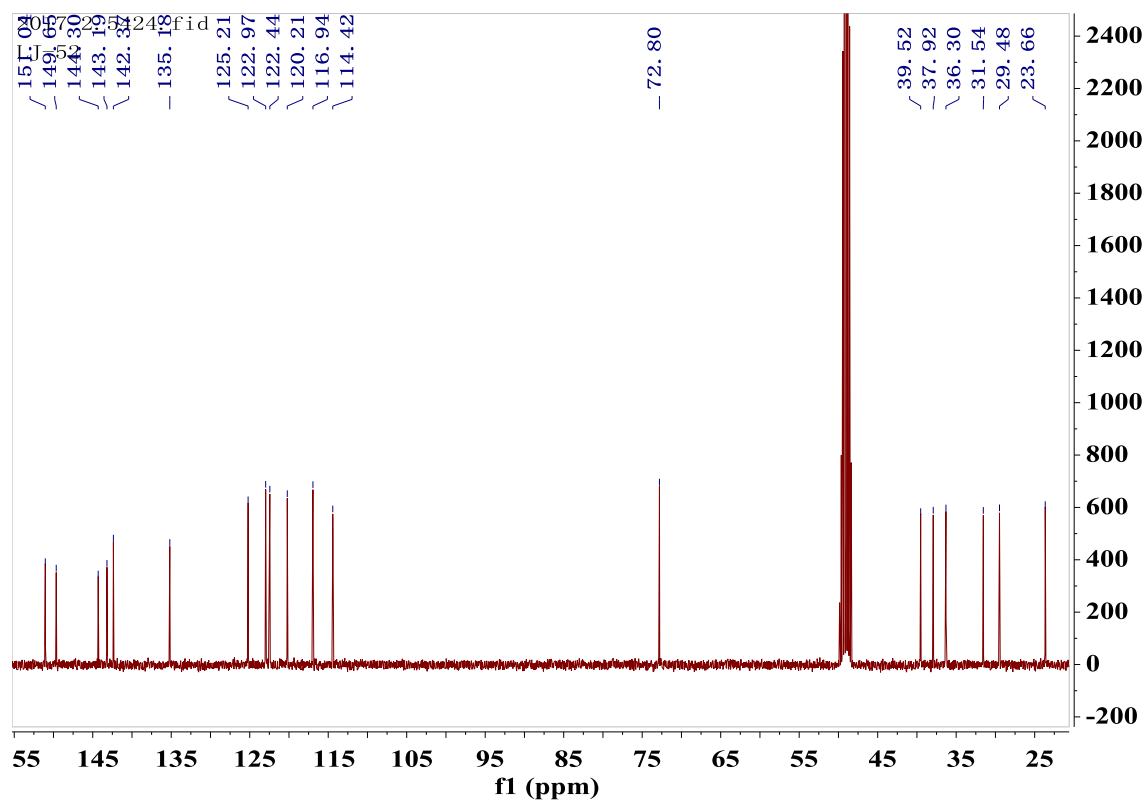


Figure S3. ^{13}C -NMR spectrum of compound **1** in CD_3OD

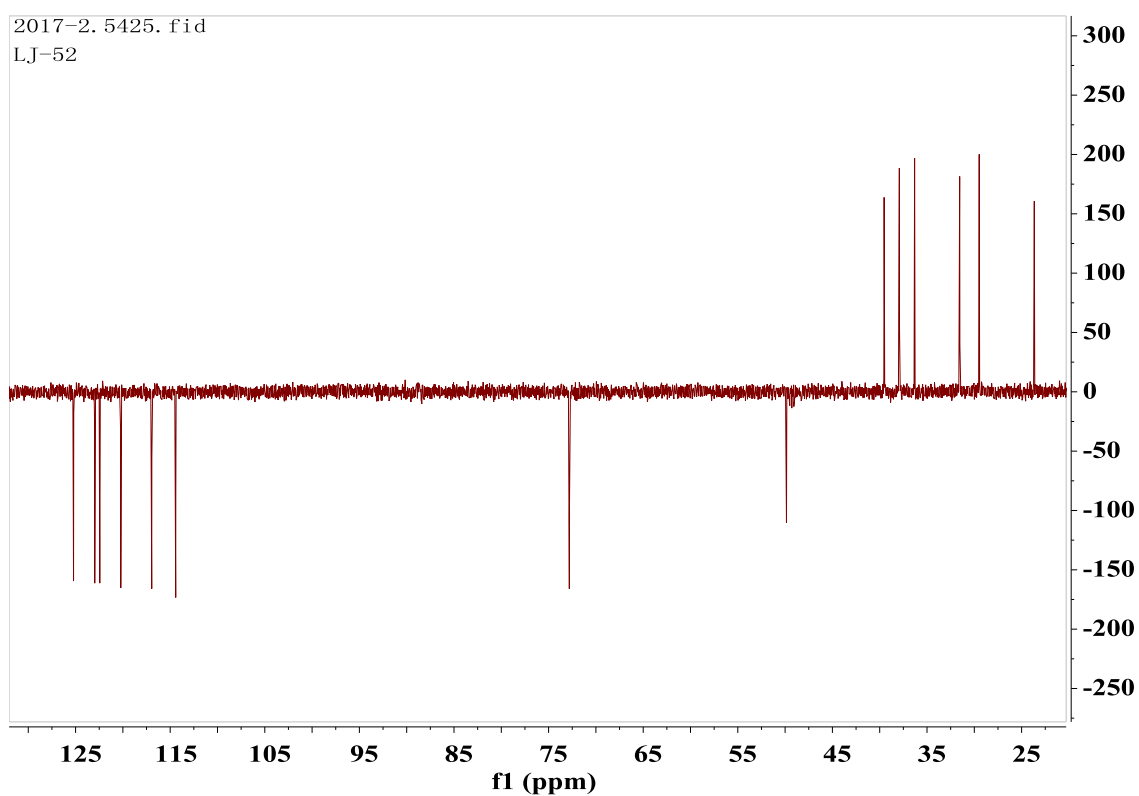


Figure S4. DEPT-135 spectrum of compound **1** in CD_3OD

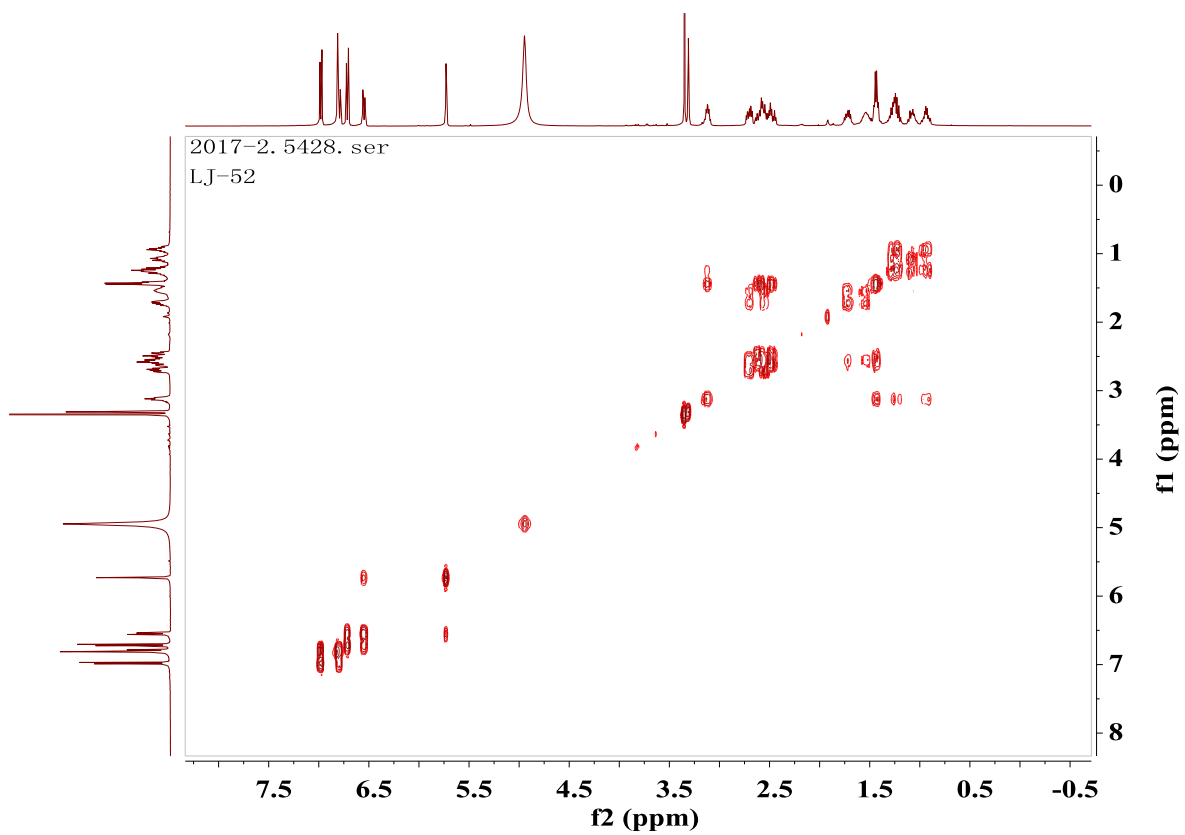


Figure S5. ^1H - ^1H COSY spectrum of compound **1** in CD_3OD

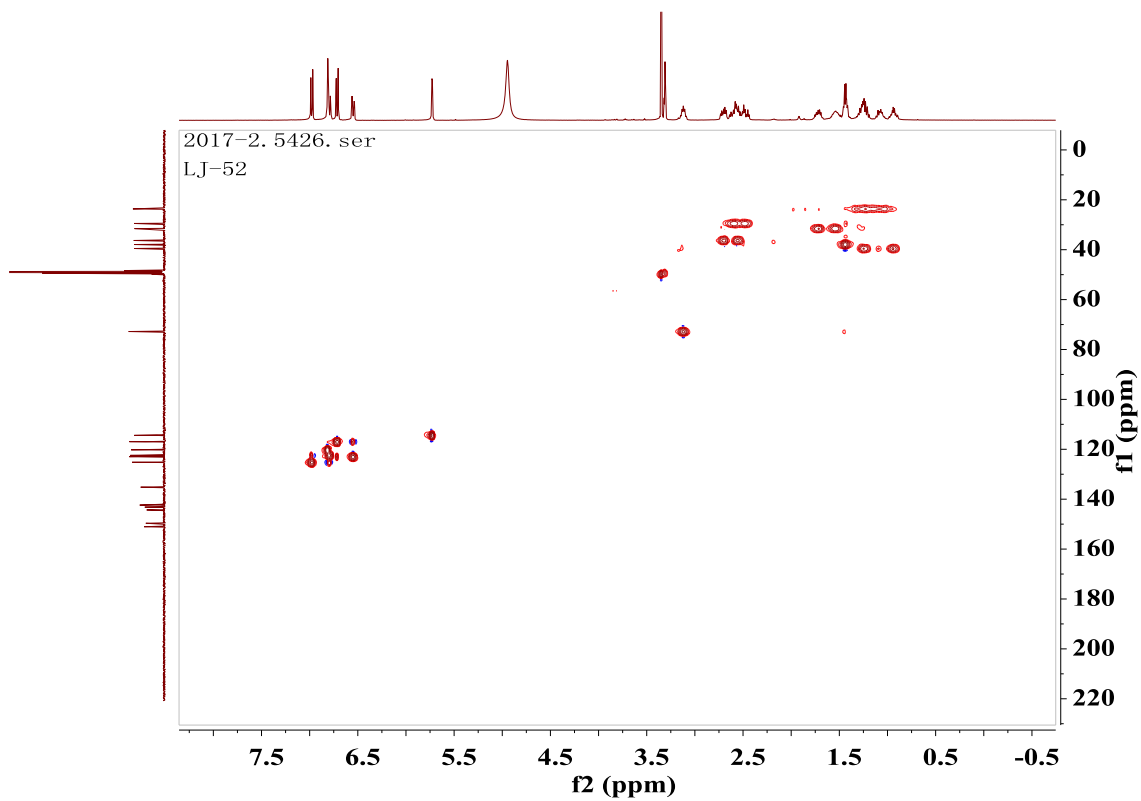


Figure S6. HSQC spectrum of compound **1** in CD_3OD

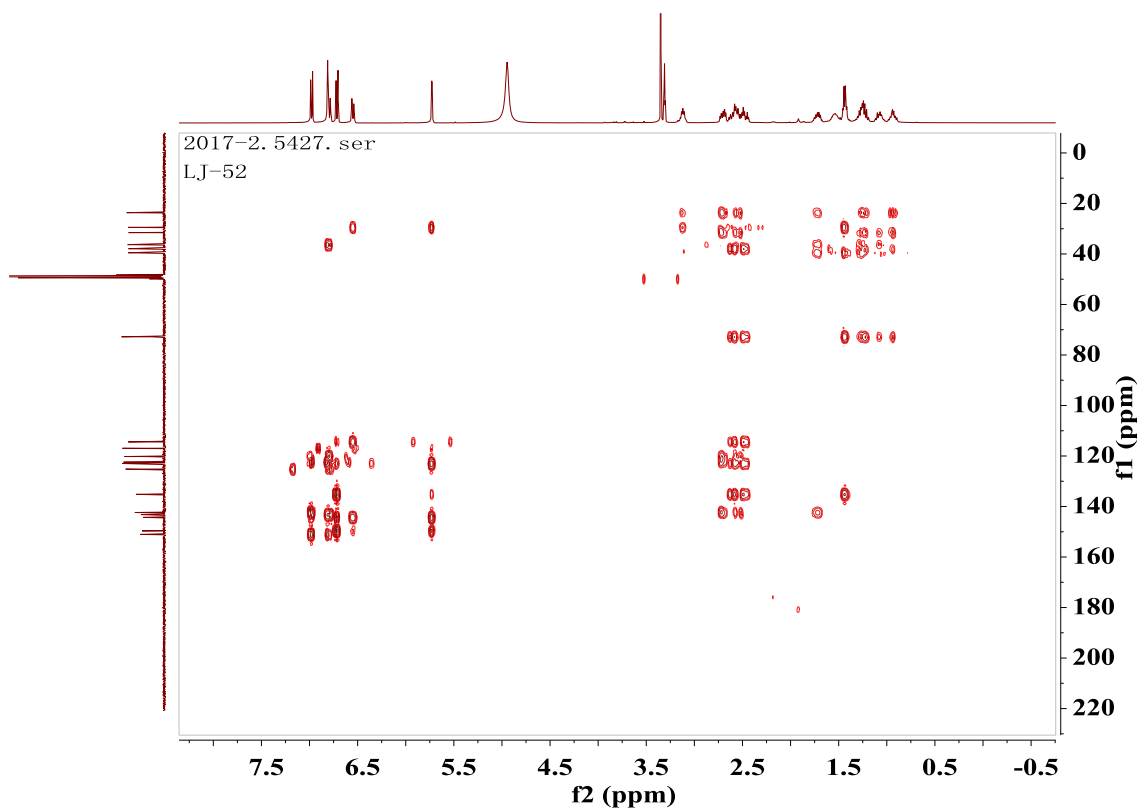


Figure S7 HMBC spectrum of compound **1** in CD₃OD

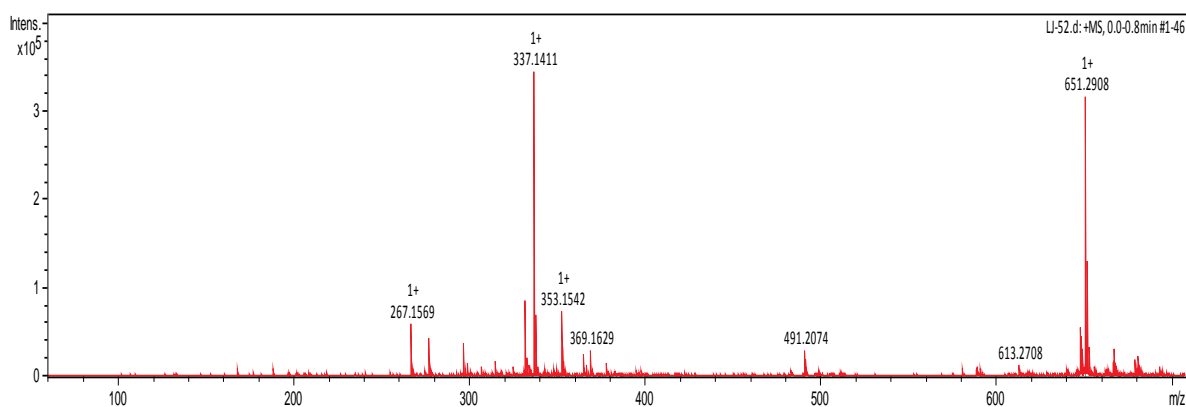


Figure S8 HR-ESI-MS spectrum of compound **1**

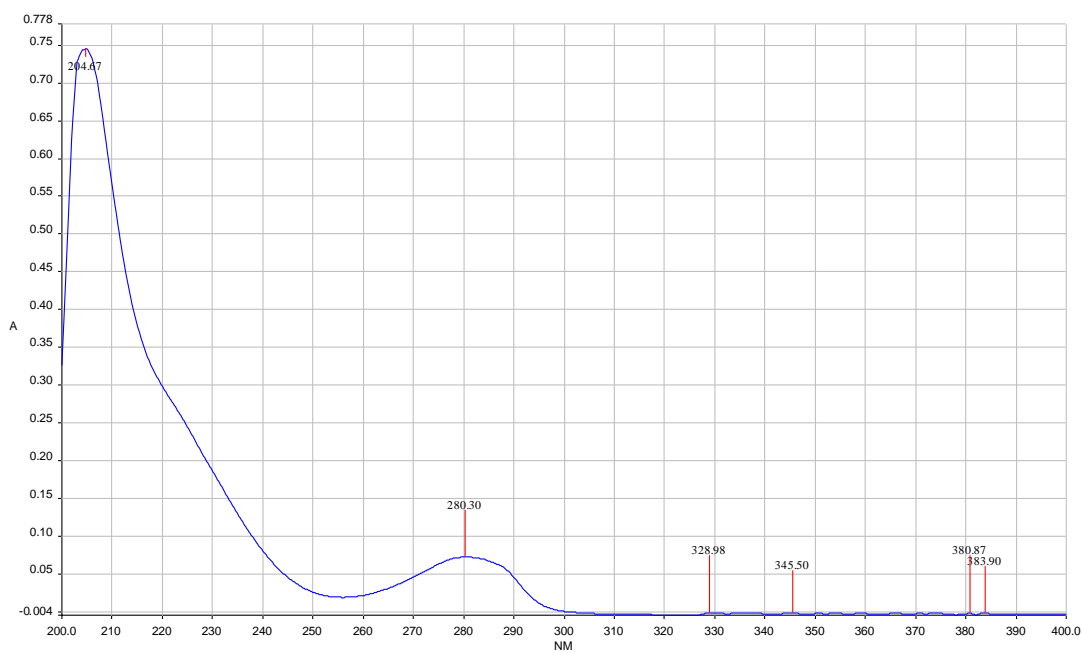


Figure S9 UV spectrum of compound 1

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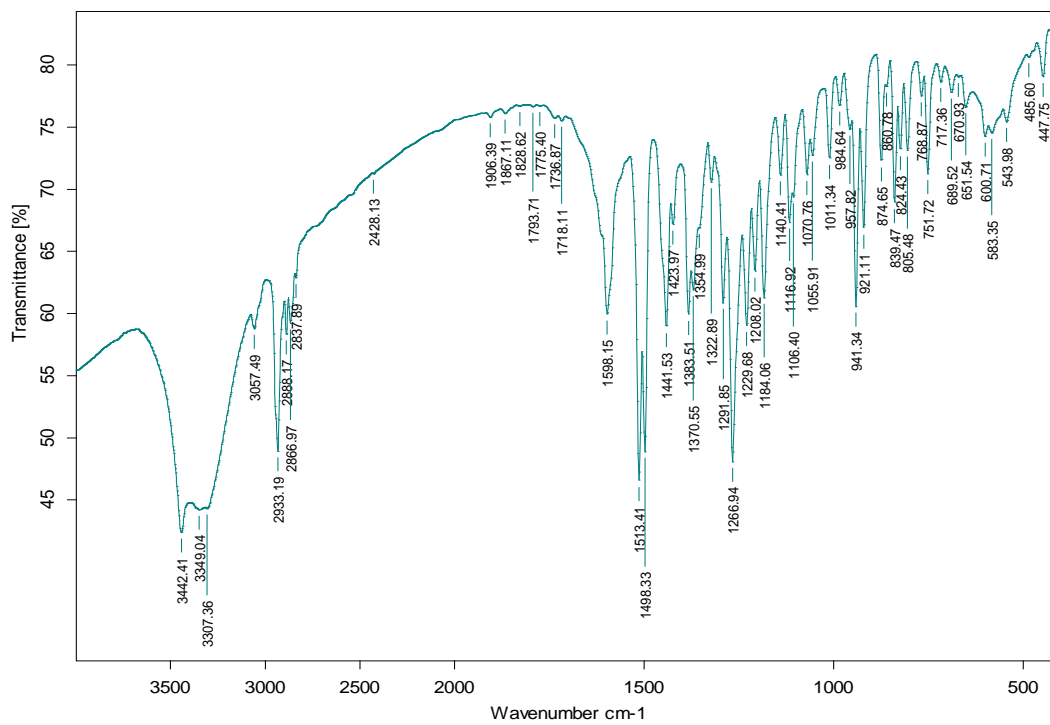


Figure S10 IR spectrum of compound 1

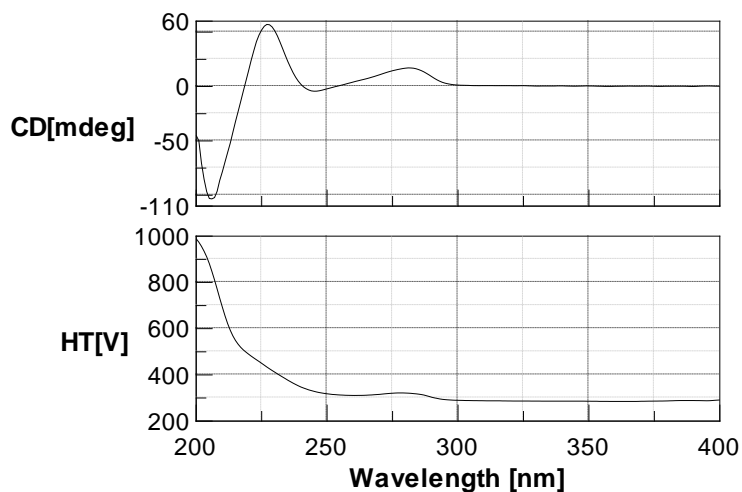


Figure S11 CD spectrum of compound **1**

Table S1. Cytotoxic activities of compounds **1-12** against HT-29 and MCF-7 cell lines

Compounds	IC ₅₀ (μ M)	
	HT-29	MCF-7
7	81.34	>100
1-6, 8-12	>100	>100
Doxorubicin hydrochloride ^a	10.83	9.91

^apositive control