

Figure S1. Spectra of (A)  $^1\text{H}$ NMR, (B)  $^{13}\text{C}$ -NMR and (C) IR of DHAP. DHAP, 3,4-dihydroxyacetophenone.

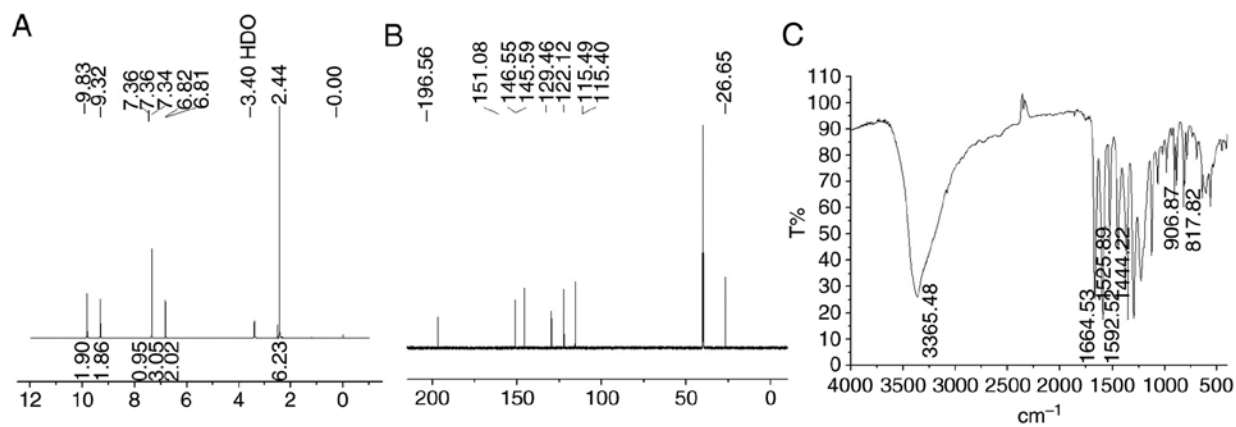


Figure S2. Spectra of (A-C)  $^1\text{H}$ -NMR, (D)  $^{13}\text{C}$ -NMR, (E) IR and (F) HR-MS of APDP. APDP, 4-acetyl-1,2-phenylene dipropionate.

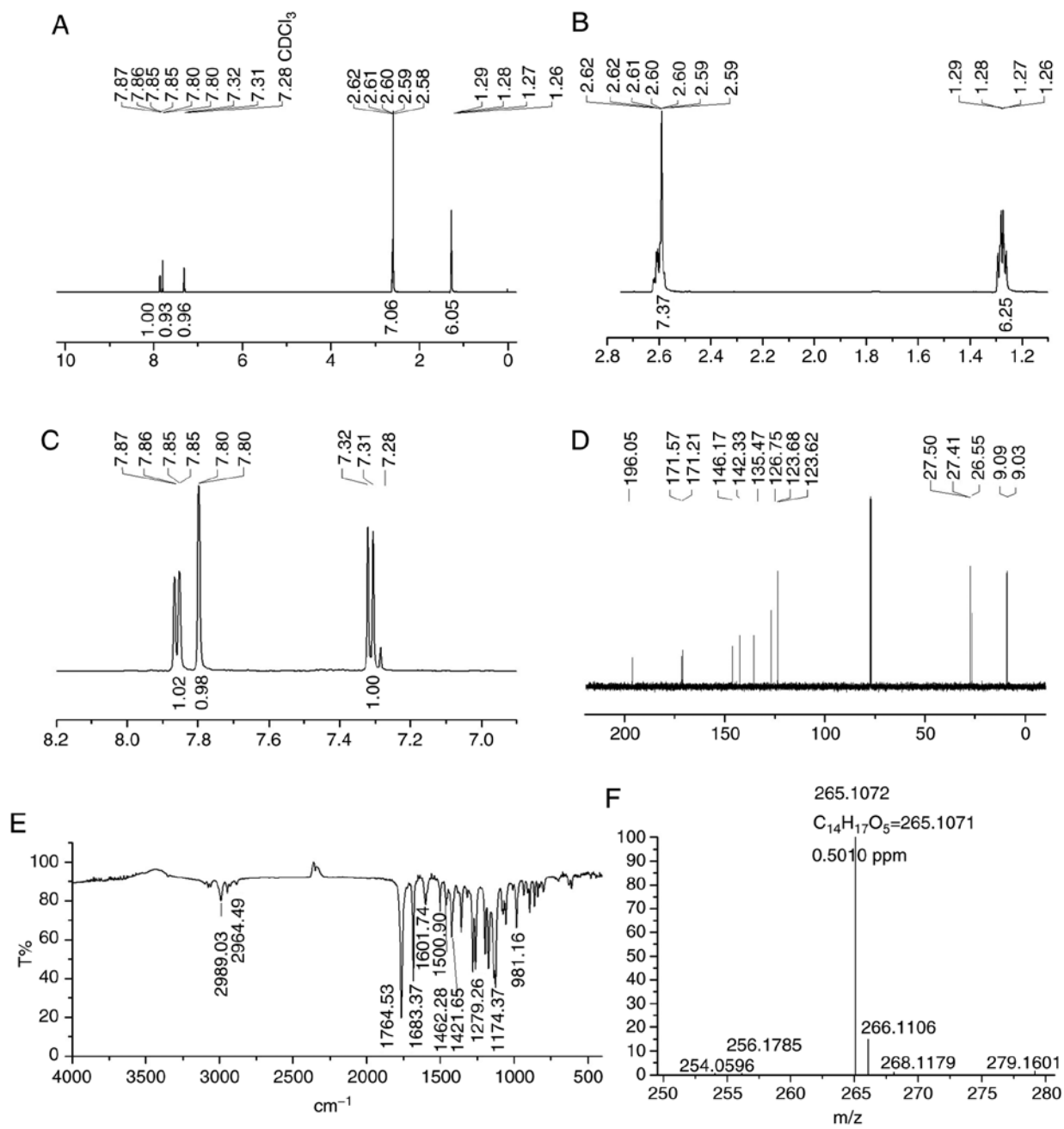


Figure S3. Spectra of (A and B)  $^1\text{H-NMR}$ , (C)  $^{13}\text{C-NMR}$ , (D) IR and (E) HR-MS of HPPE. HPPE, 1-(3-hydroxy-4-phenoxy-phenyl)-ethanone.

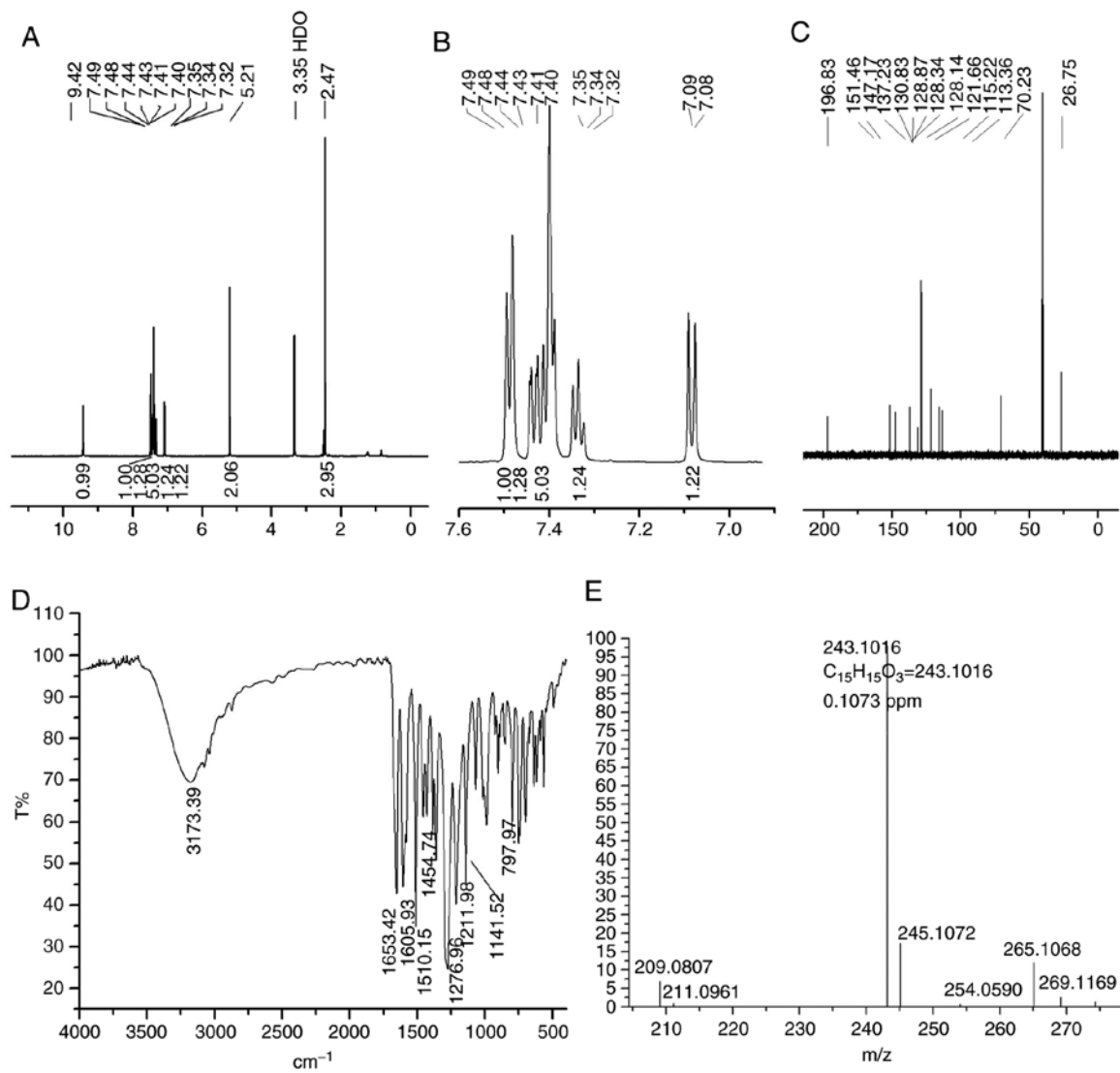


Figure S4. Spectra of (A)  $^1\text{H}$ NMR of PEG, (B and C)  $^1\text{H}$ NMR of PEG-DHAP, (D) IR of PEG and PEG-DHAP.

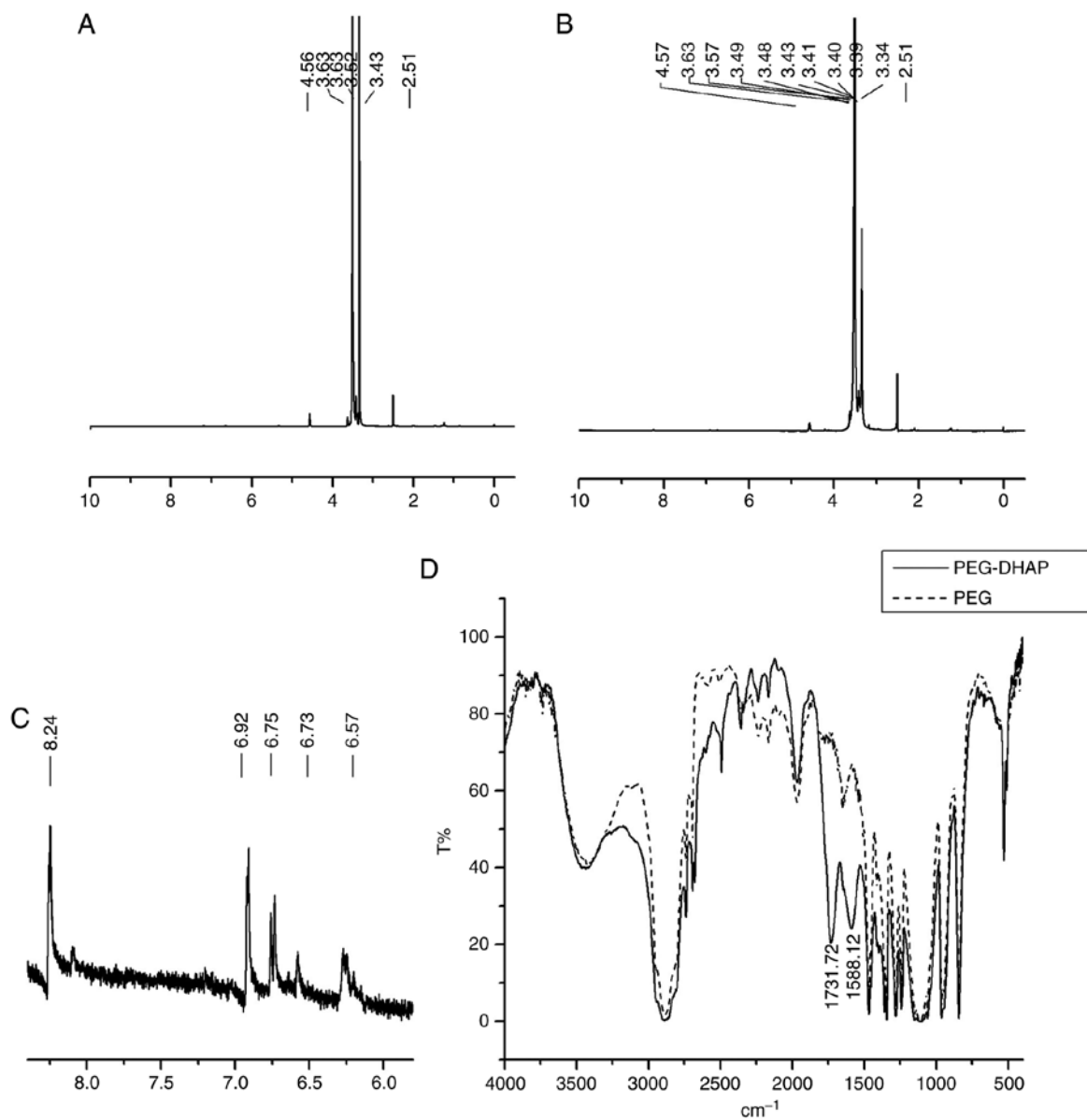


Figure S5. Ultraviolet scanning spectroscopy of DHAP and its derivatives. DHAP, 3,4-dihydroxyacetophenone.

