

**Supporting Information
for**

**Synthesis and evaluation of anti-oxidant and cytotoxic
activities of novel 10-undecenoic acid methyl ester
based lipoconjugates of phenolic acids**

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Copies of ¹H NMR, ¹³C NMR, HRMS and DSC spectra

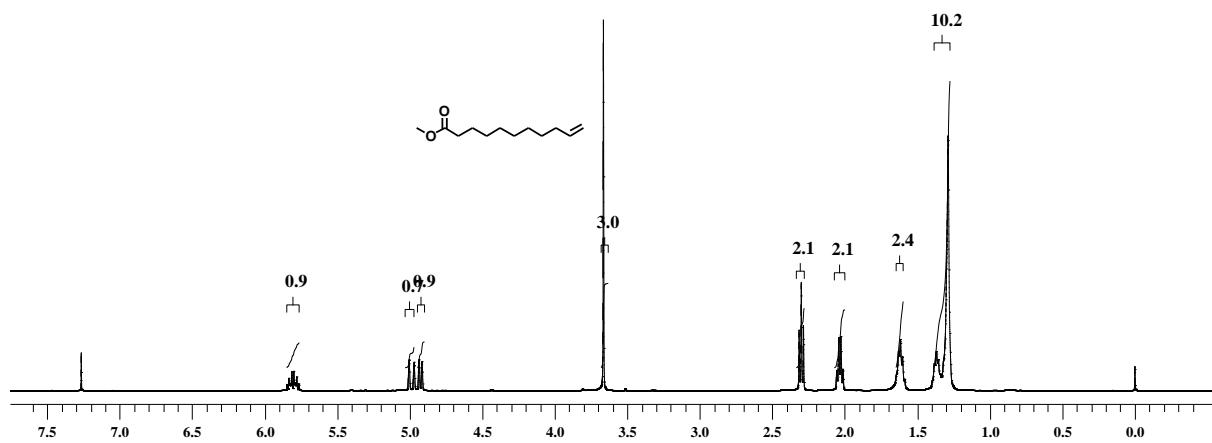


Figure S1: ^1H NMR spectrum of **1**

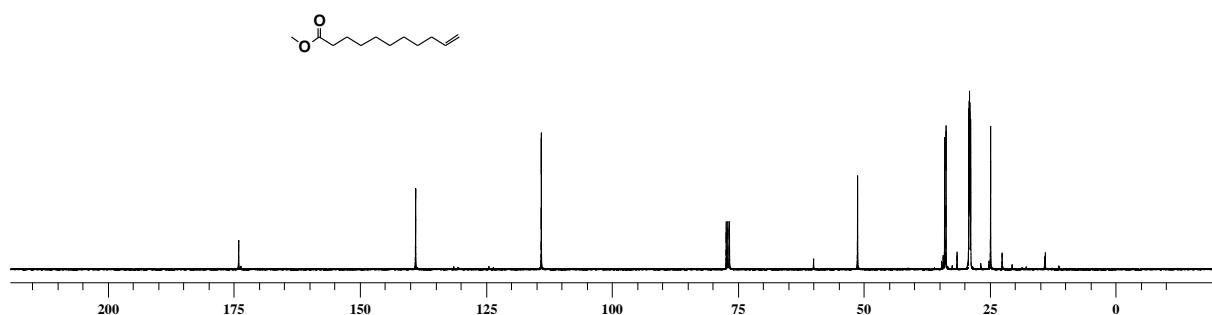


Figure S2: ^{13}C NMR spectrum of **1**

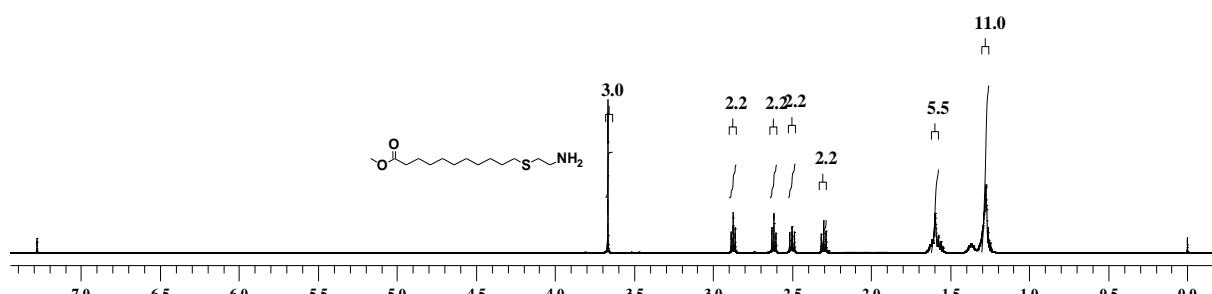


Figure S3: ^1H NMR spectrum of **2**

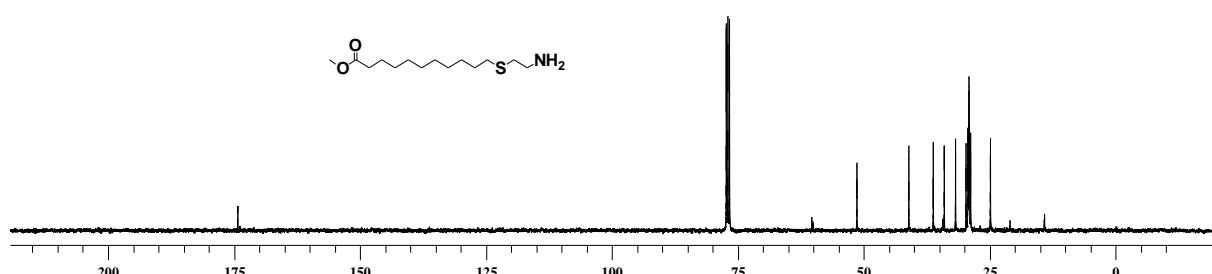


Figure S4: ^{13}C NMR spectrum of **2**

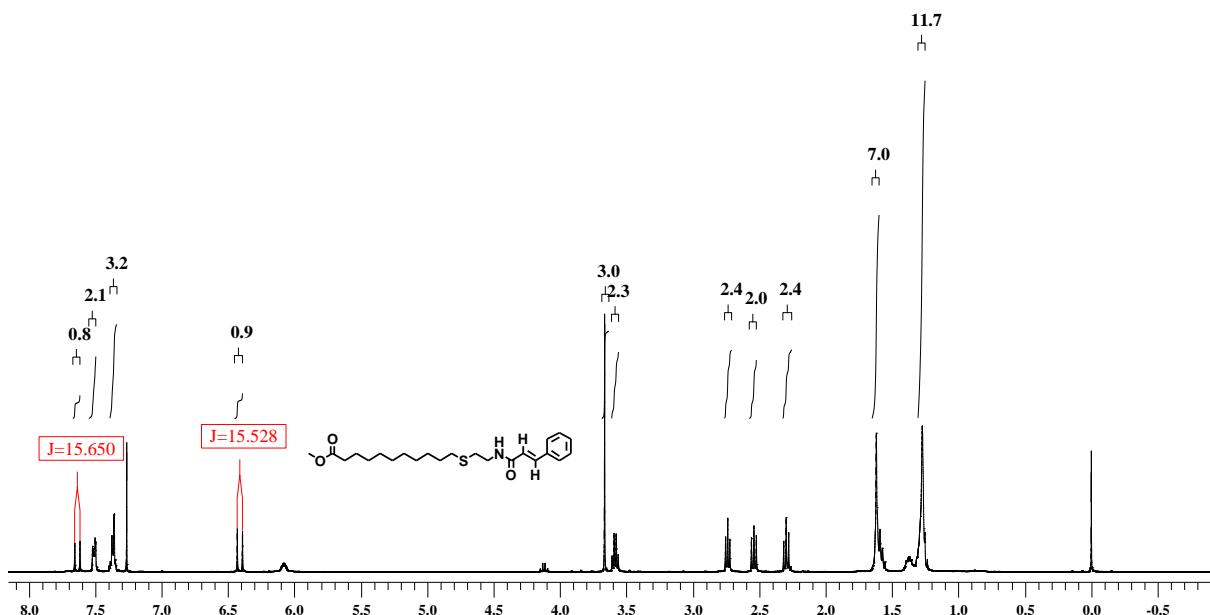


Figure S5: ^1H NMR spectrum of 3a

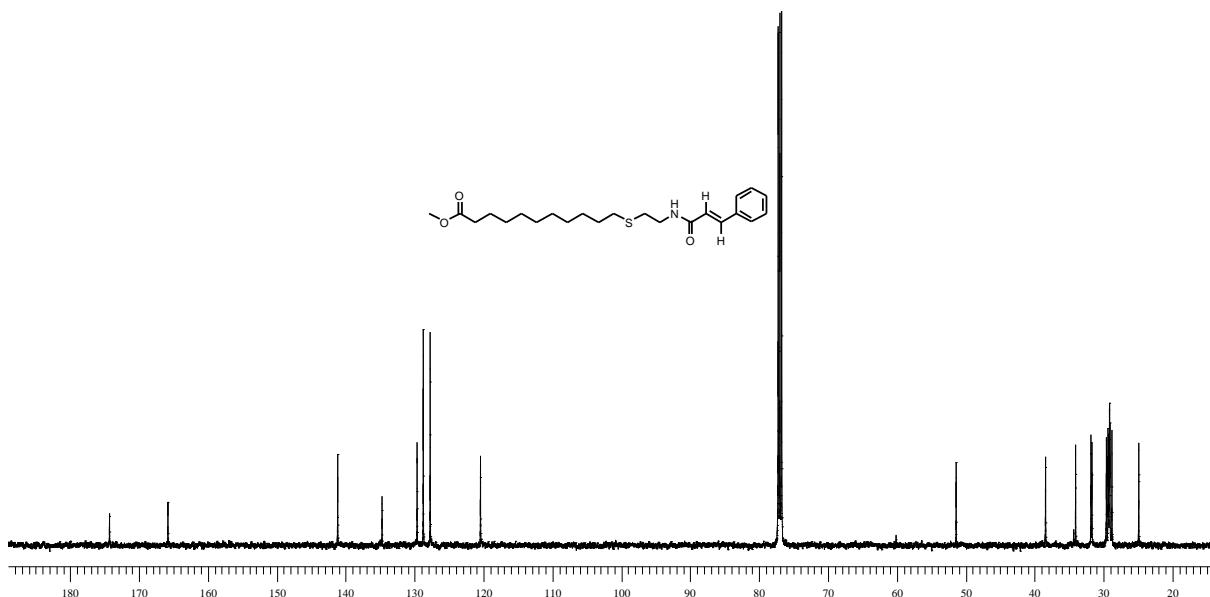


Figure S6: ^{13}C NMR spectrum of 3a

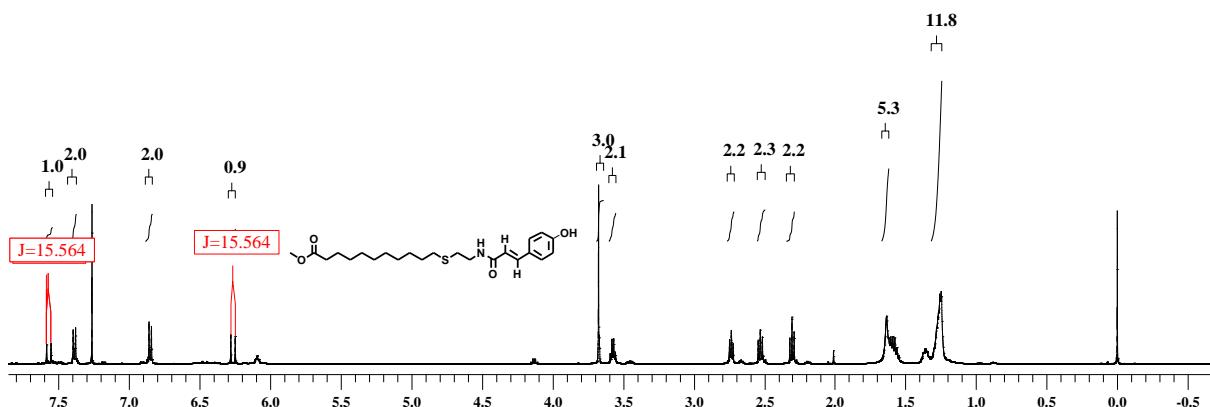


Figure S7: ^1H NMR spectrum of 3b

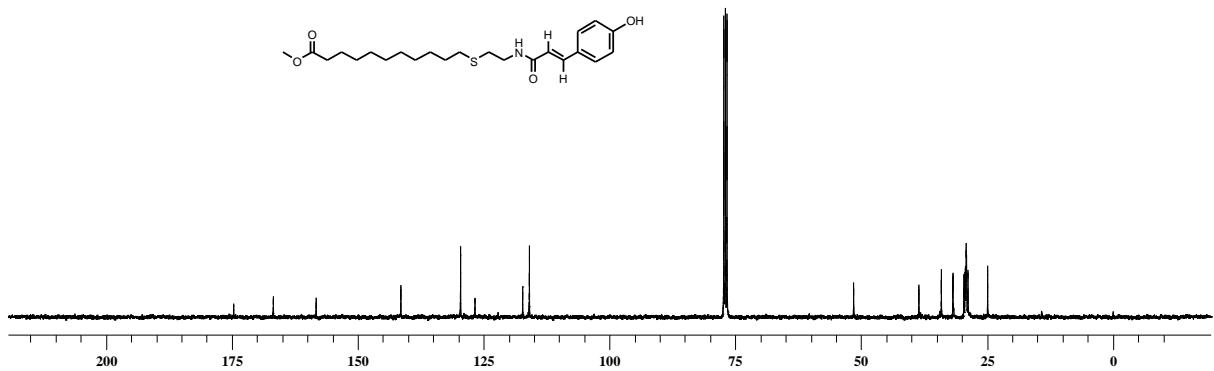


Figure S8: ¹³C NMR spectrum of 3b

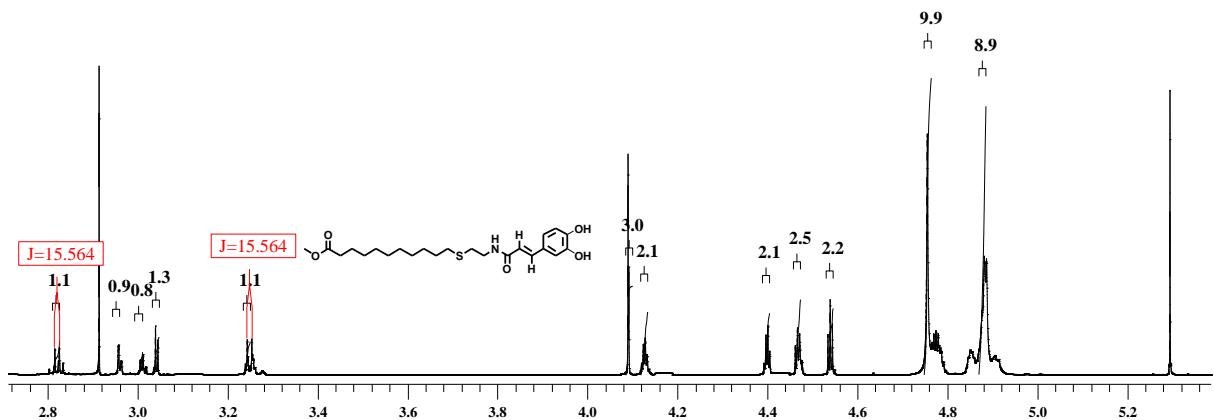


Figure S9: ¹H NMR spectrum of 3c

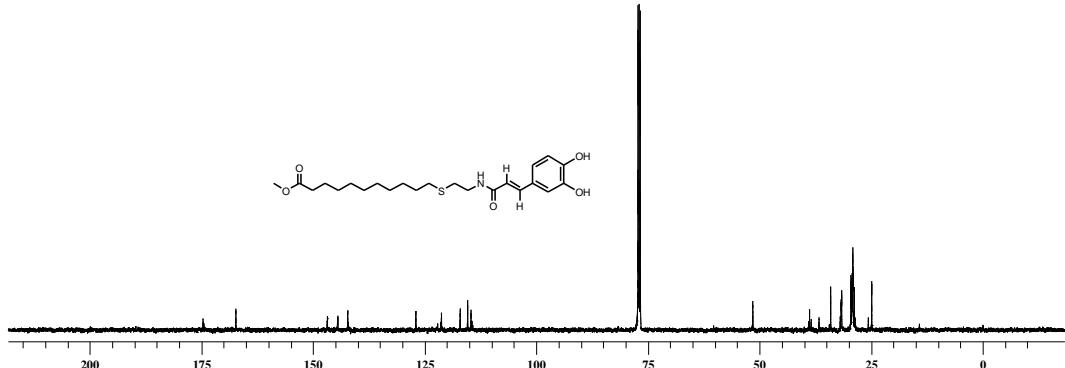


Figure S10: ¹³C NMR spectrum of 3c

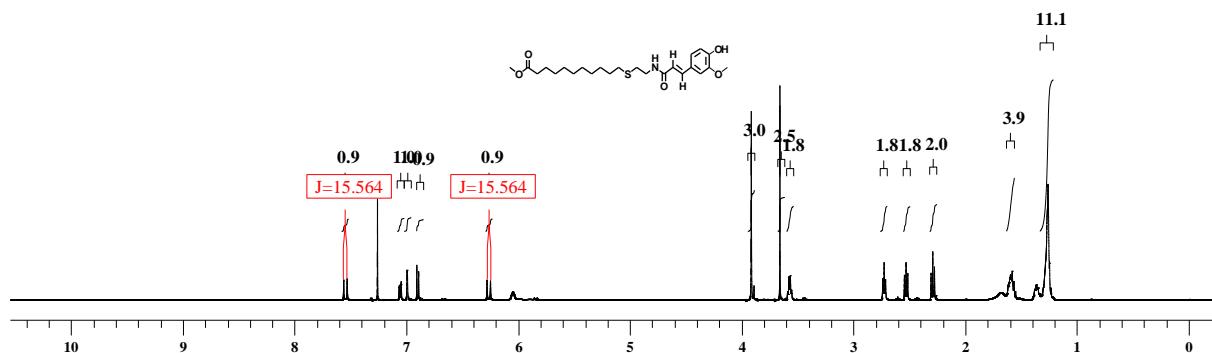


Figure S11: ^1H NMR spectrum of **3d**

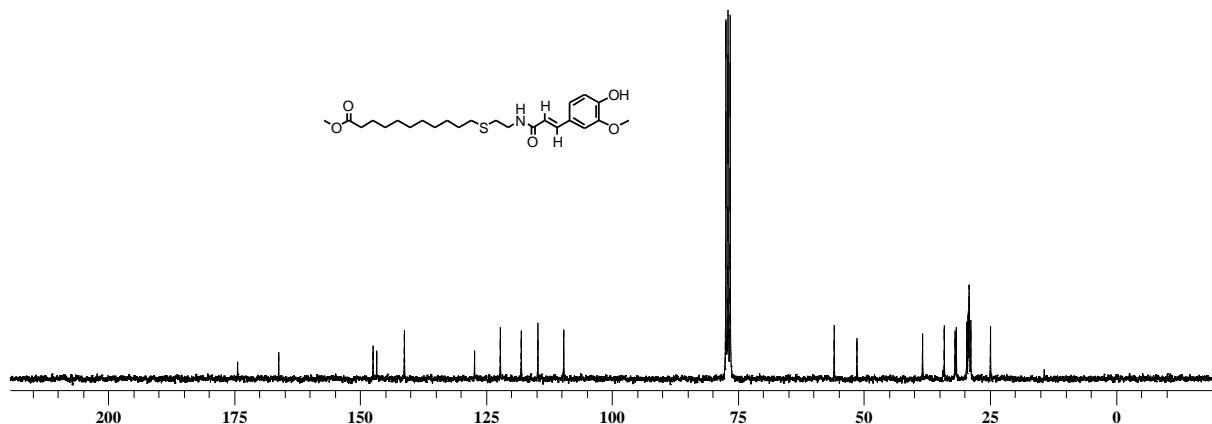


Figure S12: ^{13}C NMR spectrum of **3d**

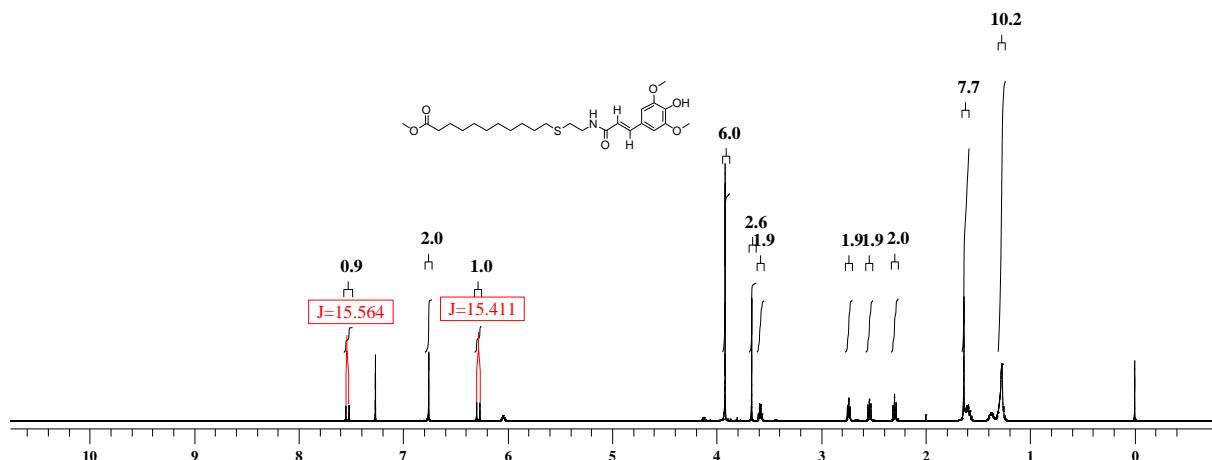


Figure S13: ^1H NMR spectrum of **3e**

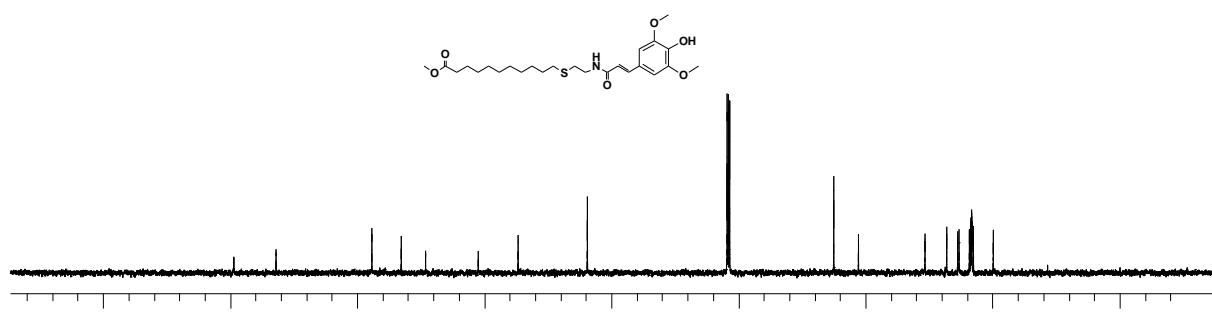


Figure S14: ^{13}C NMR spectrum of **3e**

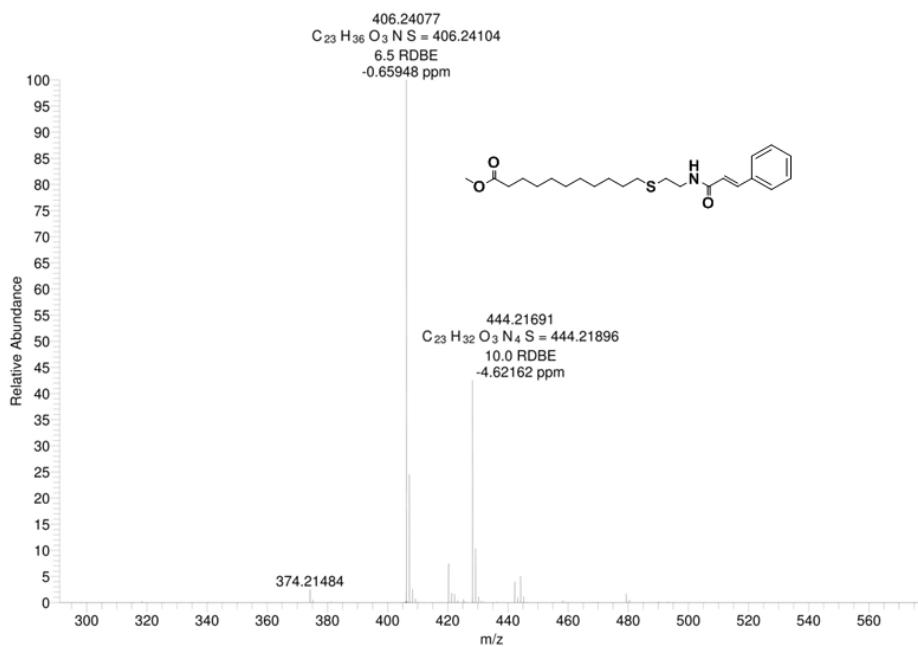


Figure S15: The HRMS spectrum of **3a**

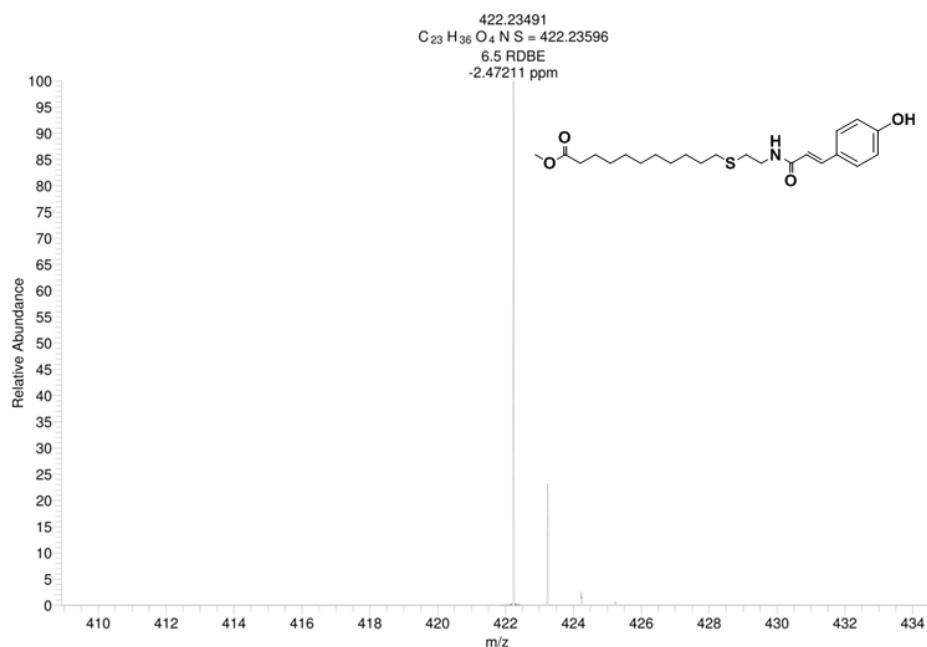


Figure S16: The HRMS spectrum of **3b**

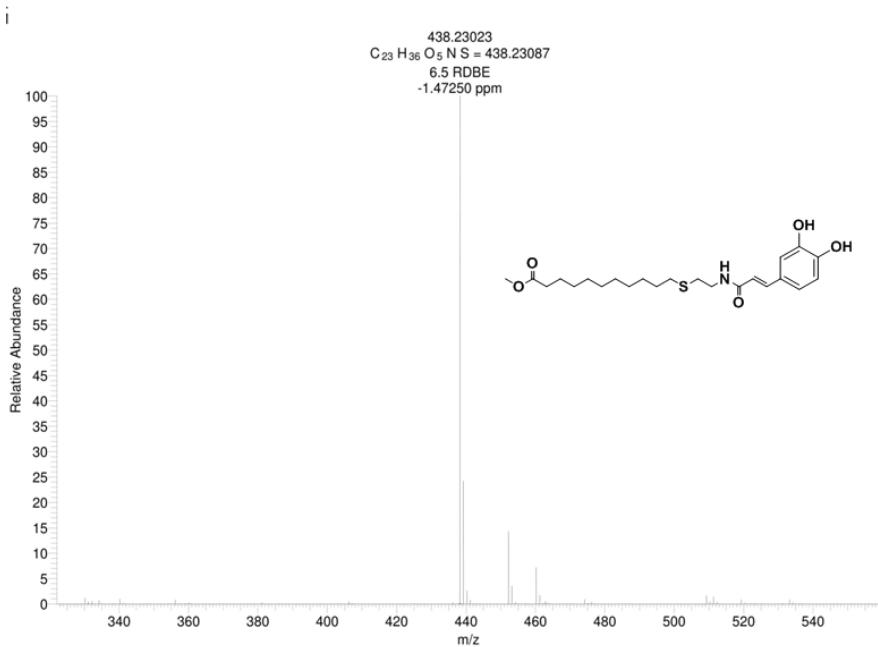


Figure S17: The HRMS spectrum of **3c**

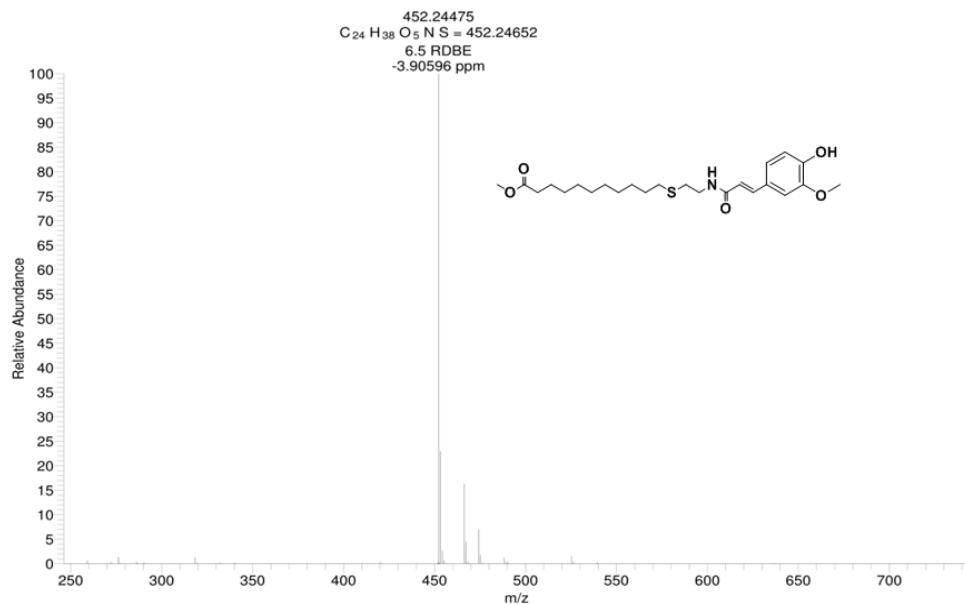


Figure S18: The HRMS spectrum of **3d**

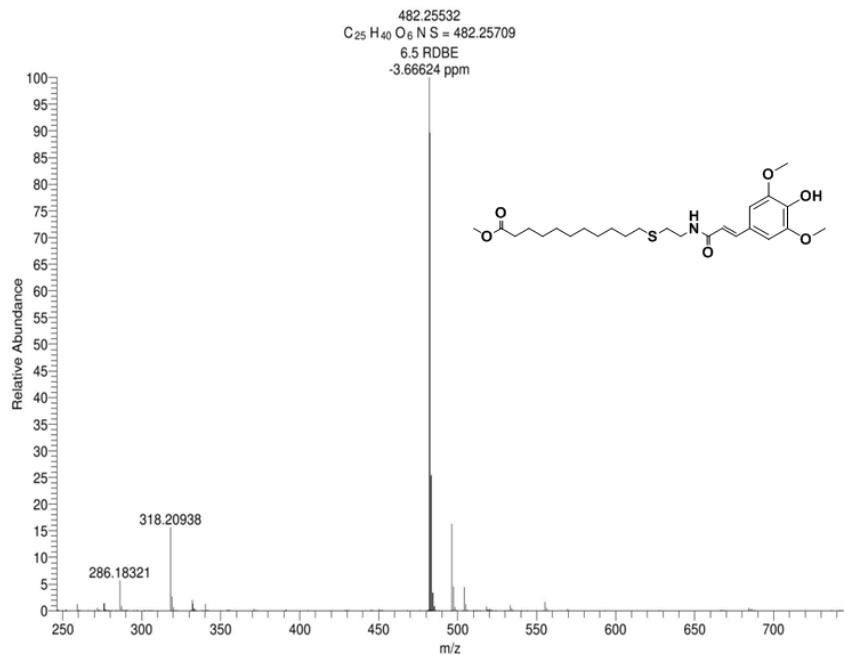


Figure S19: The HRMS spectrum of **3e**

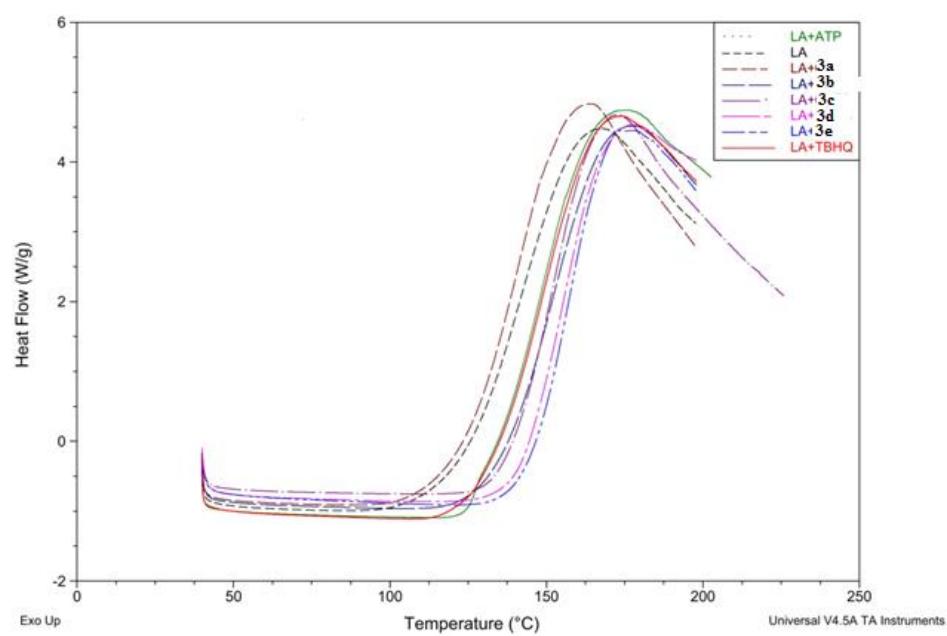


Figure S20: DSC curves of the synthesised 10-undecenoic acid –based lipoconjugates