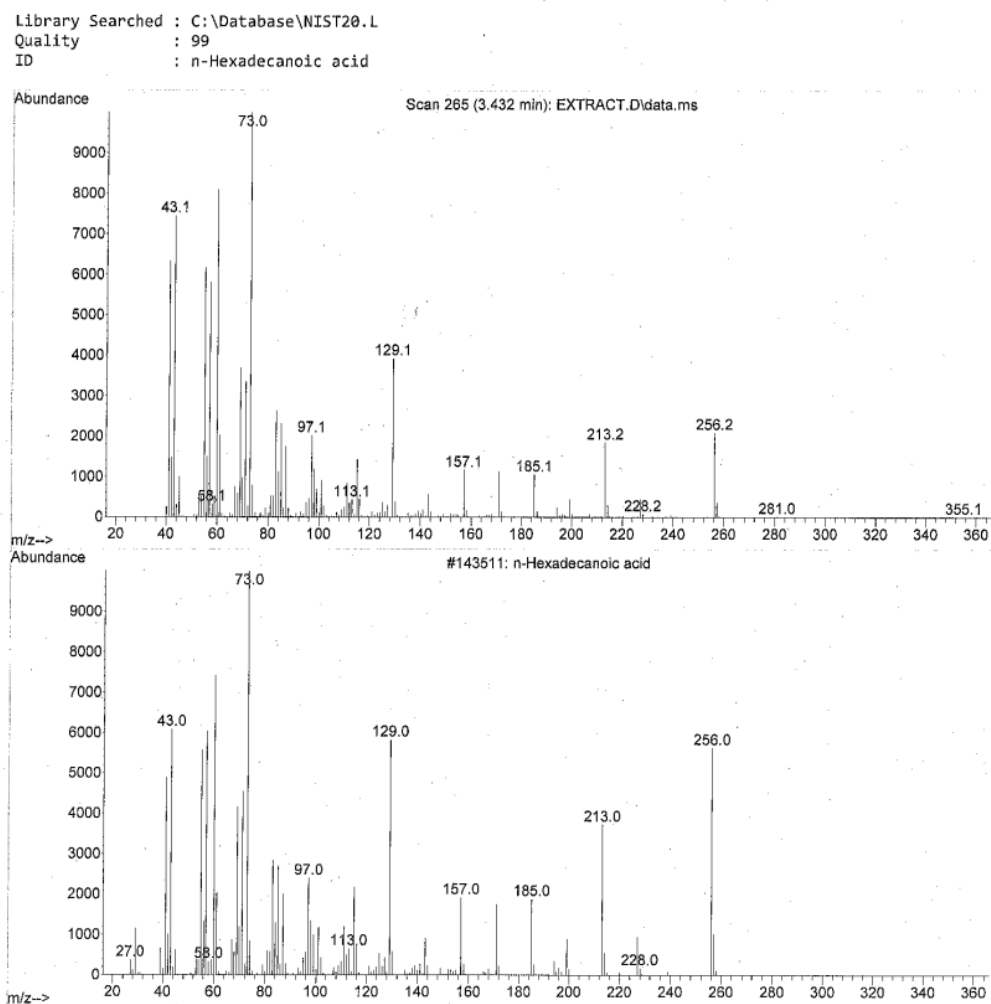
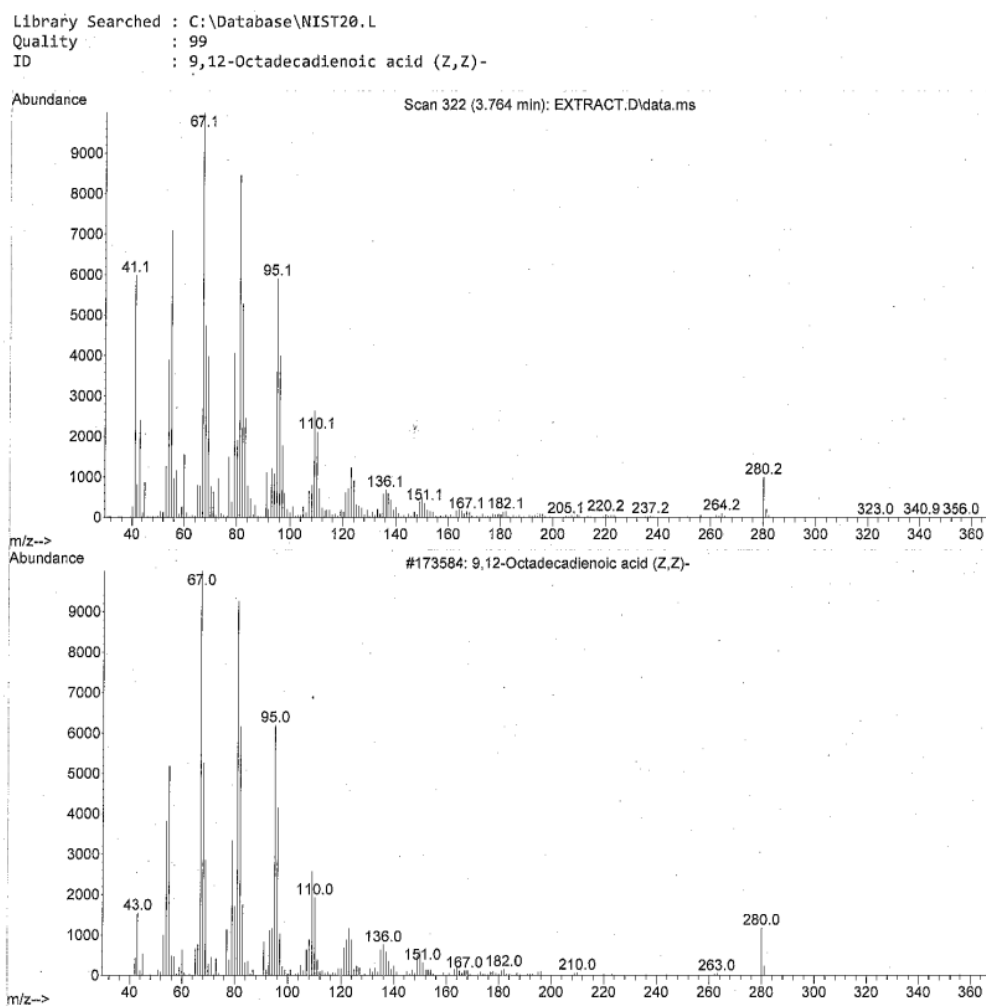


Figure S1. Total ion chromatograph of the leek seed extract obtained from GC-MS analysis. Retention time (Rt) at 3.43 min: n-hexadecanoic acid, Rt at 2.78 min: octadecanoic acid, and Rt at 5.31 min: linolein.

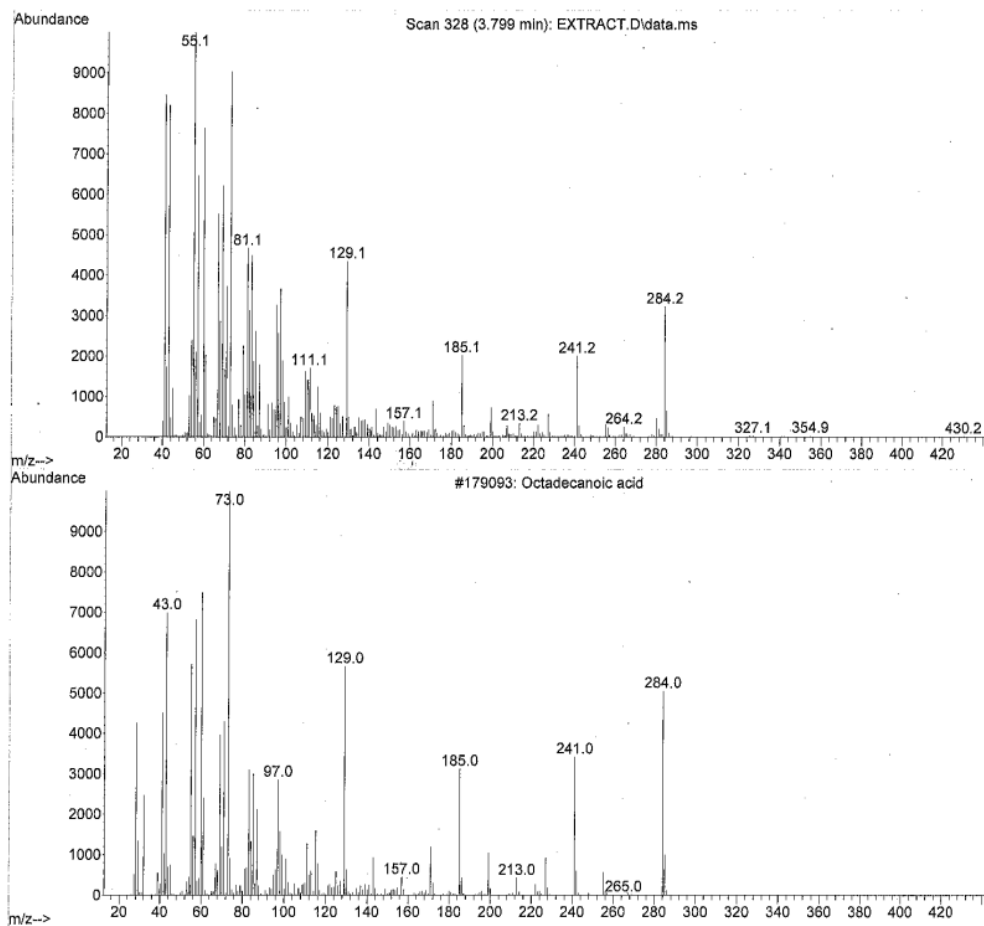
Scheme 10. components obtained from leek seed extract.**1. Mass spectrum matched with n-hexadecanoic.**

2. Mass spectrum matched with 9(Z),12(Z)-octadecadienoic acid.



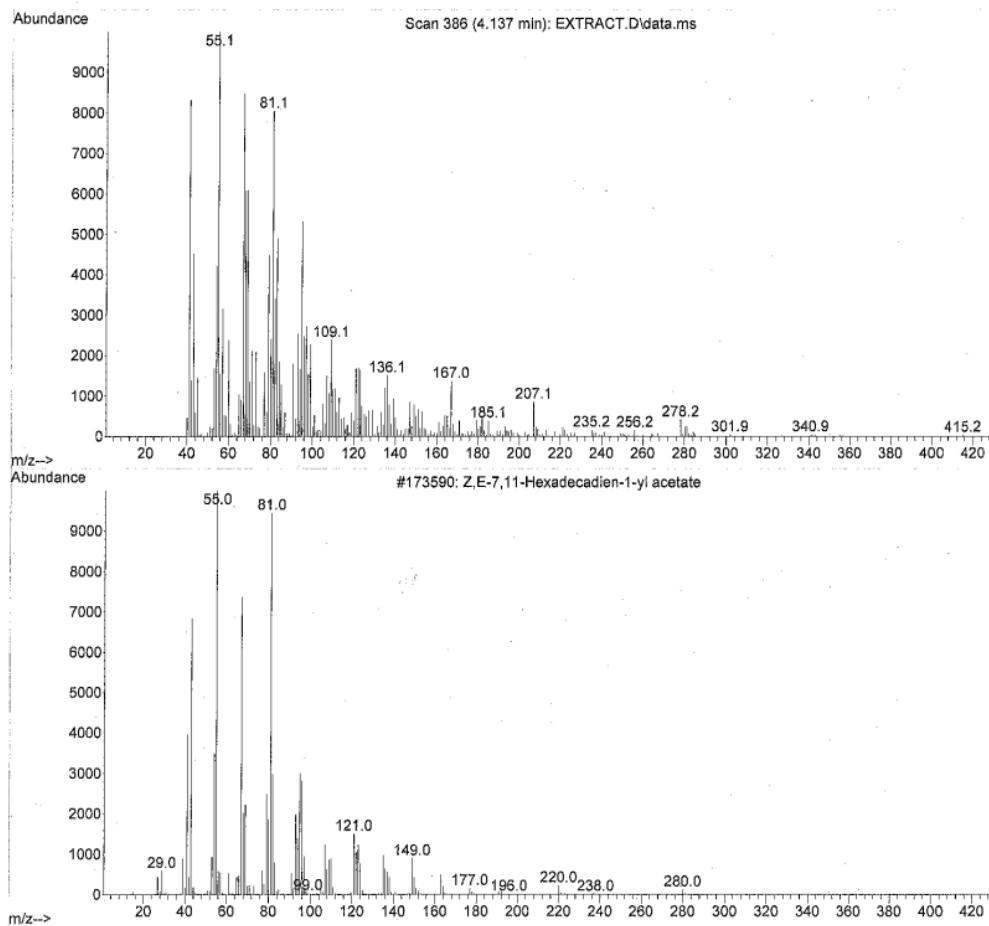
3. Mass spectrum matched with octadecanoic acid.

Library Searched : C:\Database\NIST0.L
Quality : 99
ID : Octadecanoic acid



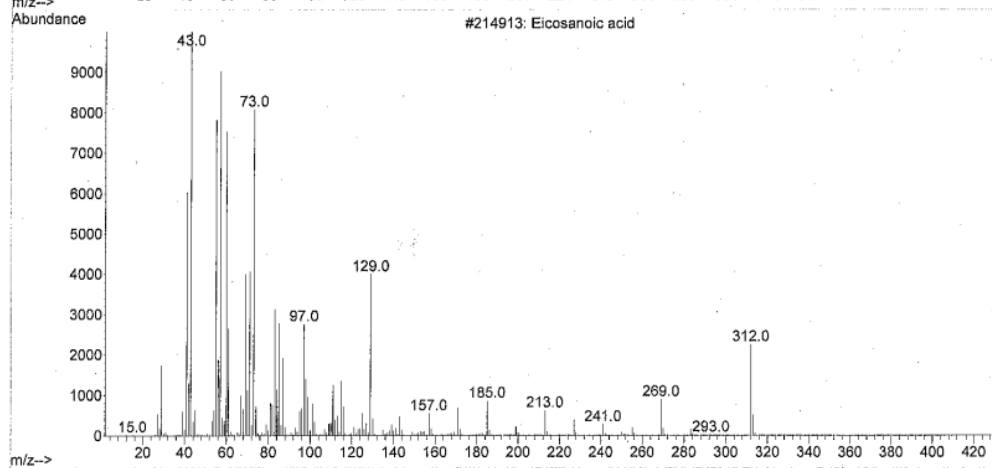
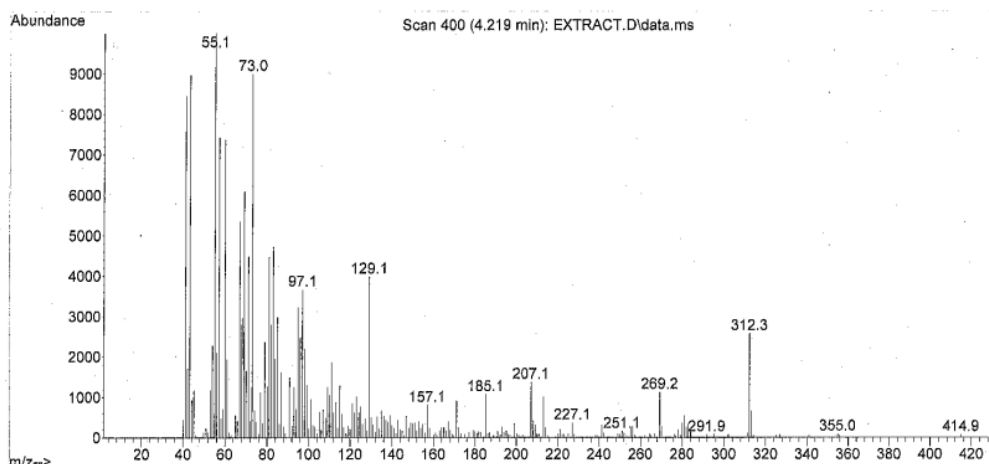
4. Mass spectrum matched with (Z,E)-7,11-hexadecadien-1-yl acetate.

Library Searched : C:\Database\NIST20.L
Quality : 98
ID : Z,E-7,11-Hexadecadien-1-yl acetate



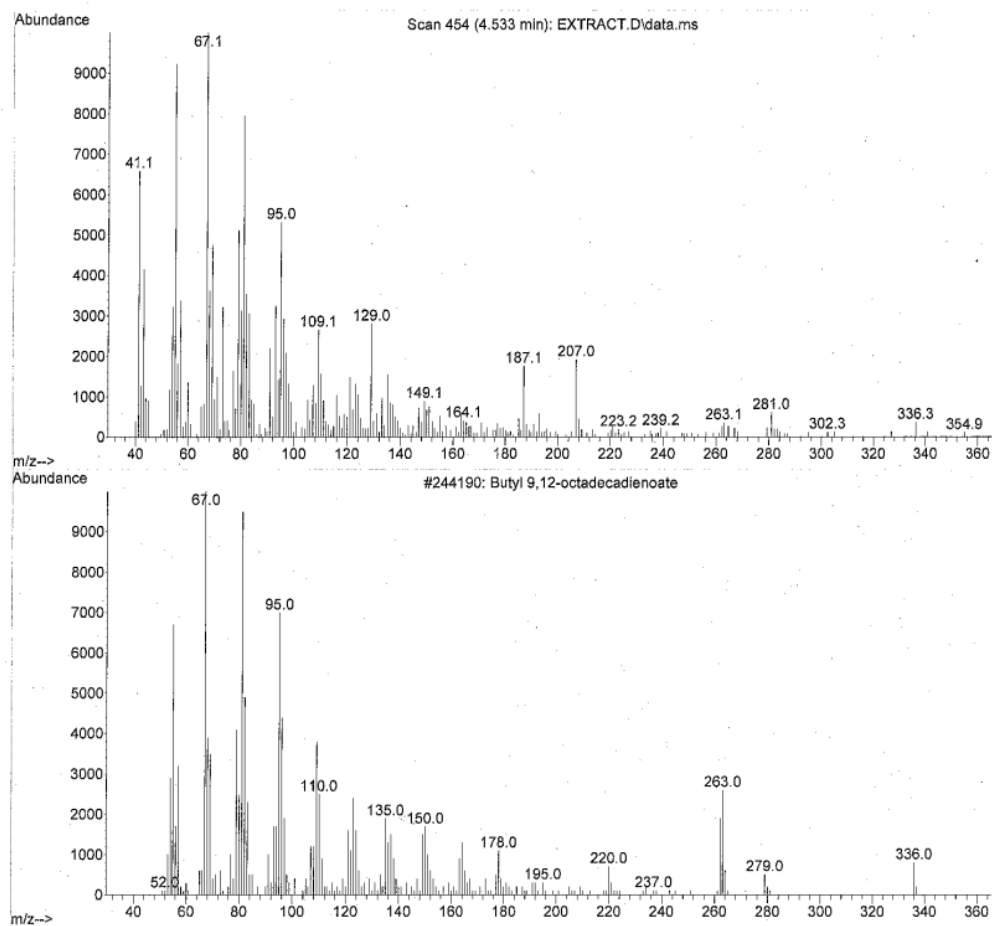
5. Mass spectrum matched with eicosanoic acid.

Library Searched : C:\Database\NIST20.L
Quality : 97
ID : Eicosanoic acid

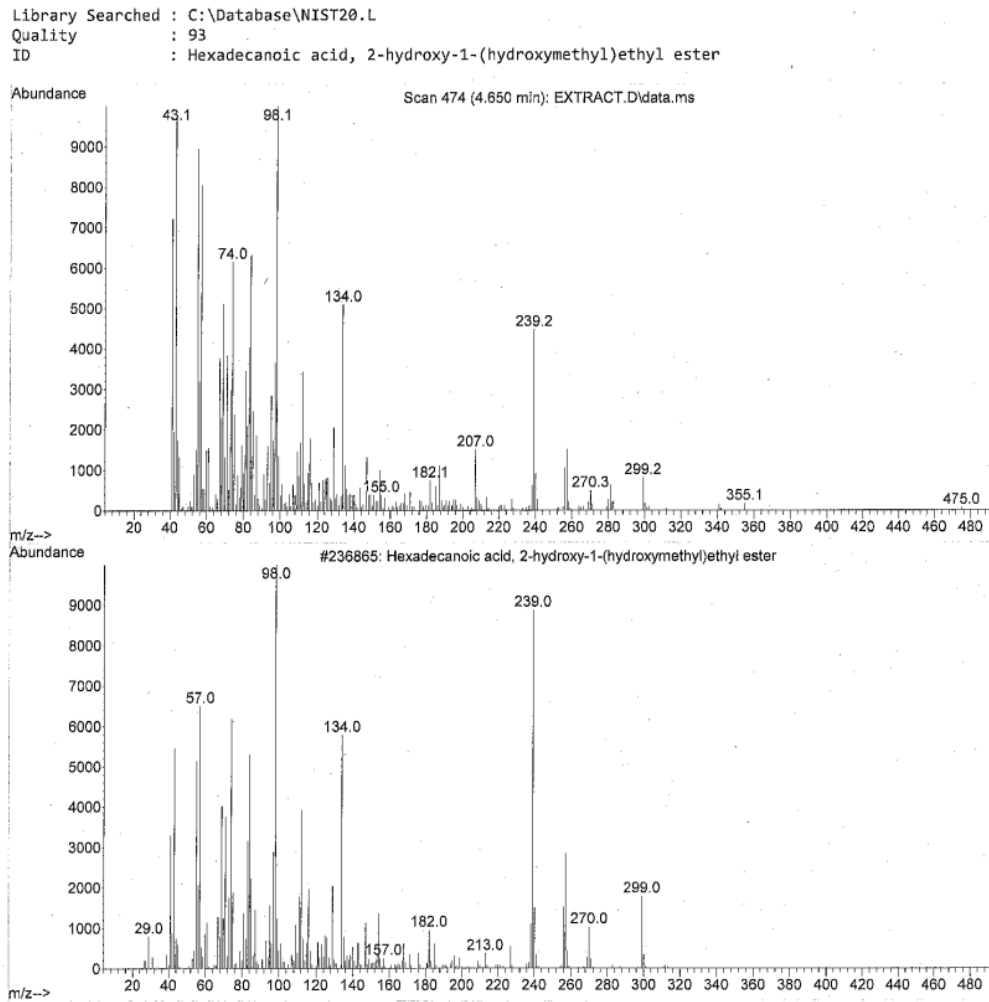


6. Mass spectrum matched with butyl 9,12-octadecadienoate.

Library Searched : C:\Database\NIST08.L
Quality : 95
ID : Butyl 9,12-octadecadienoate



7. Mass spectrum matched with palmitin [hexadecanoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester].

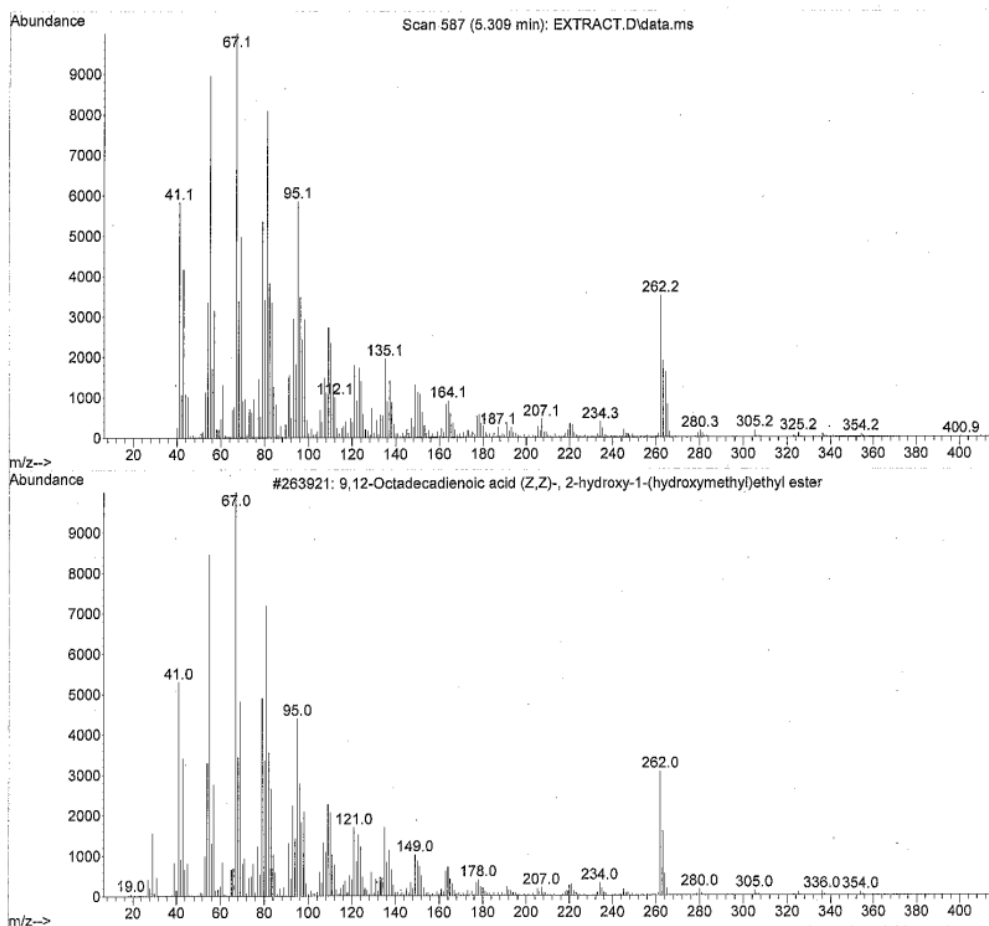


8. Mass spectrum matched with linolein [9,12-octadecadienoic acid (Z, Z)-, 2-hydroxy-1-(Hydroxymethyl)ethyl ester].

Library Searched : C:\Database\NIST20.L

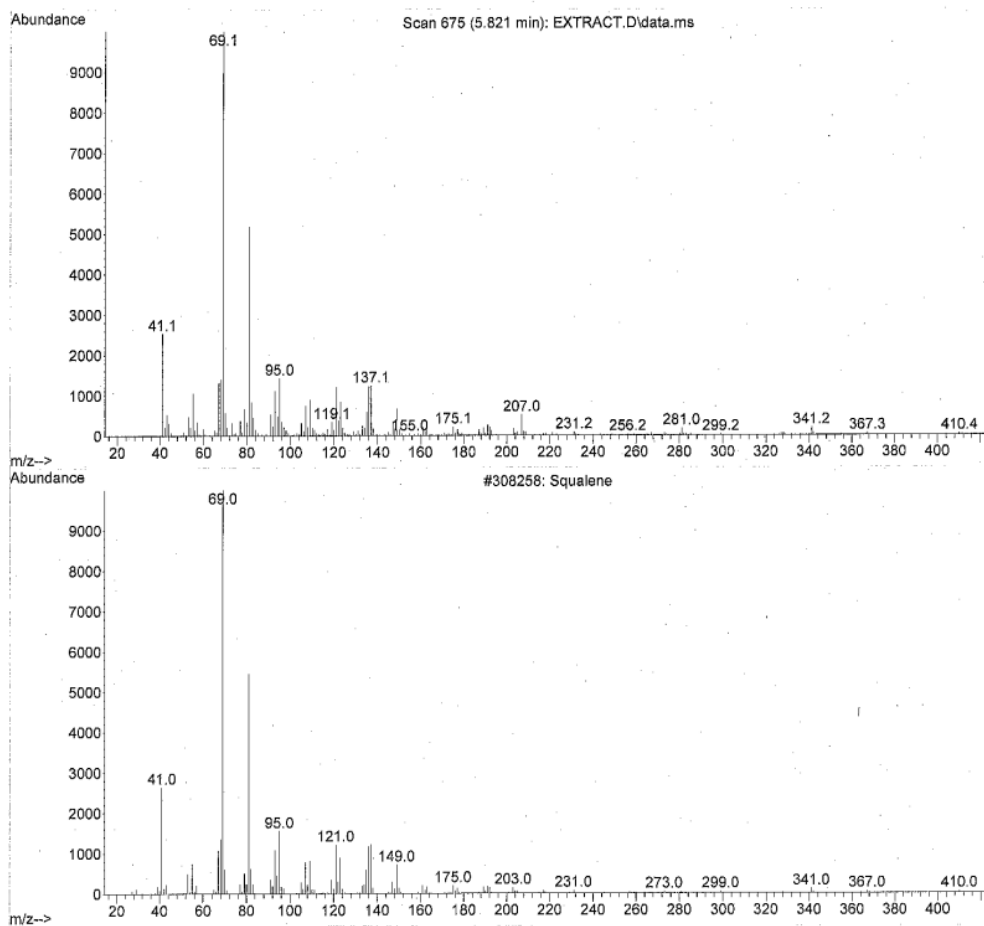
Quality : 99

ID : 9,12-Octadecadienoic acid (Z,Z)-, 2-hydroxy-1-(hydroxymethyl)ethyl ester



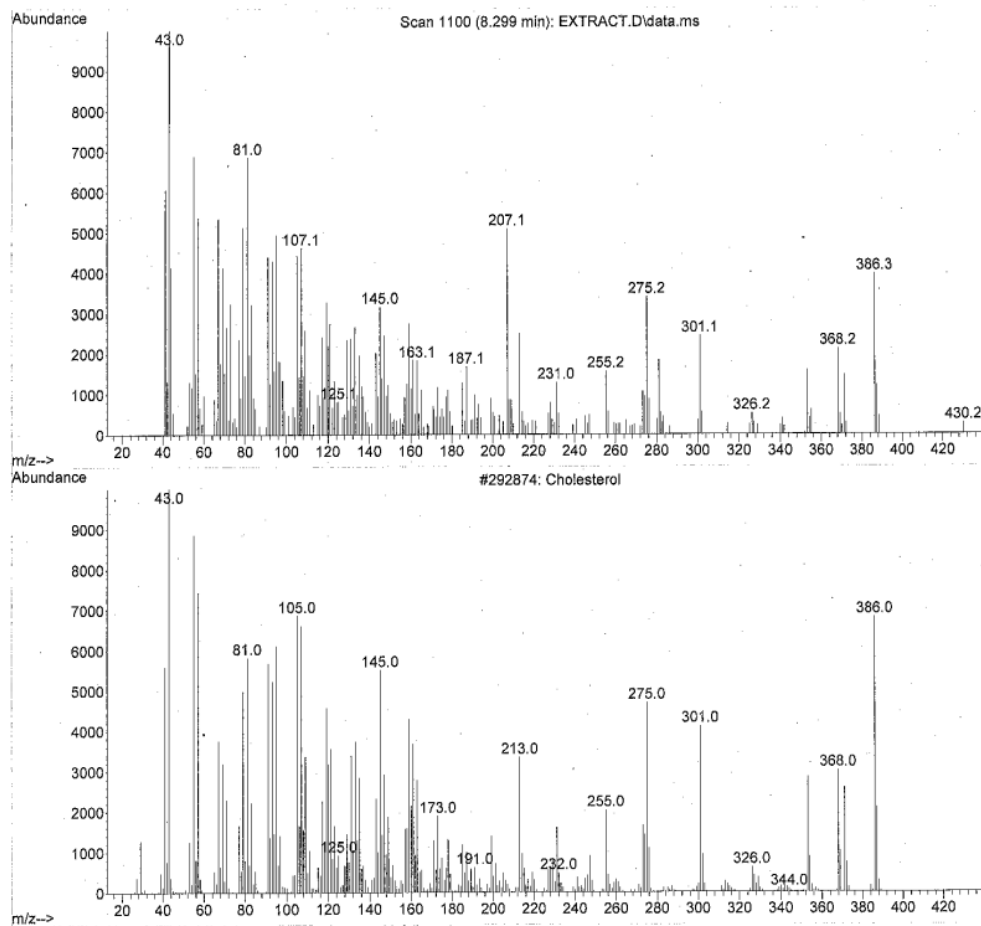
9. Mass spectrum matched with squalene.

Library Searched : C:\Database\NIST20.L
Quality : 99
ID : Squalene



10. Mass spectrum matched with cholesterol.

Library Searched : C:\Database\NIST20.L
Quality : 99
ID : Cholesterol



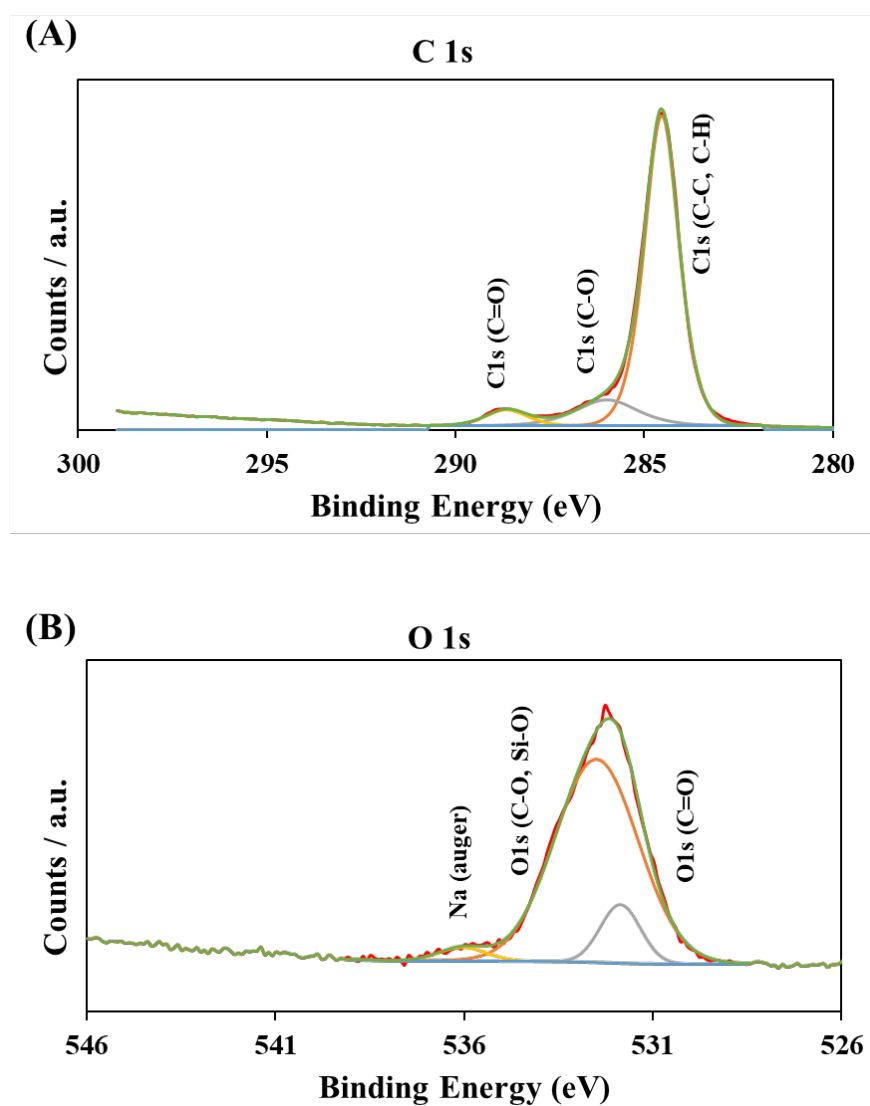


Figure S2. Deconvoluted (A) C 1s and (B) O 1s XPS spectra of CD-micelles.

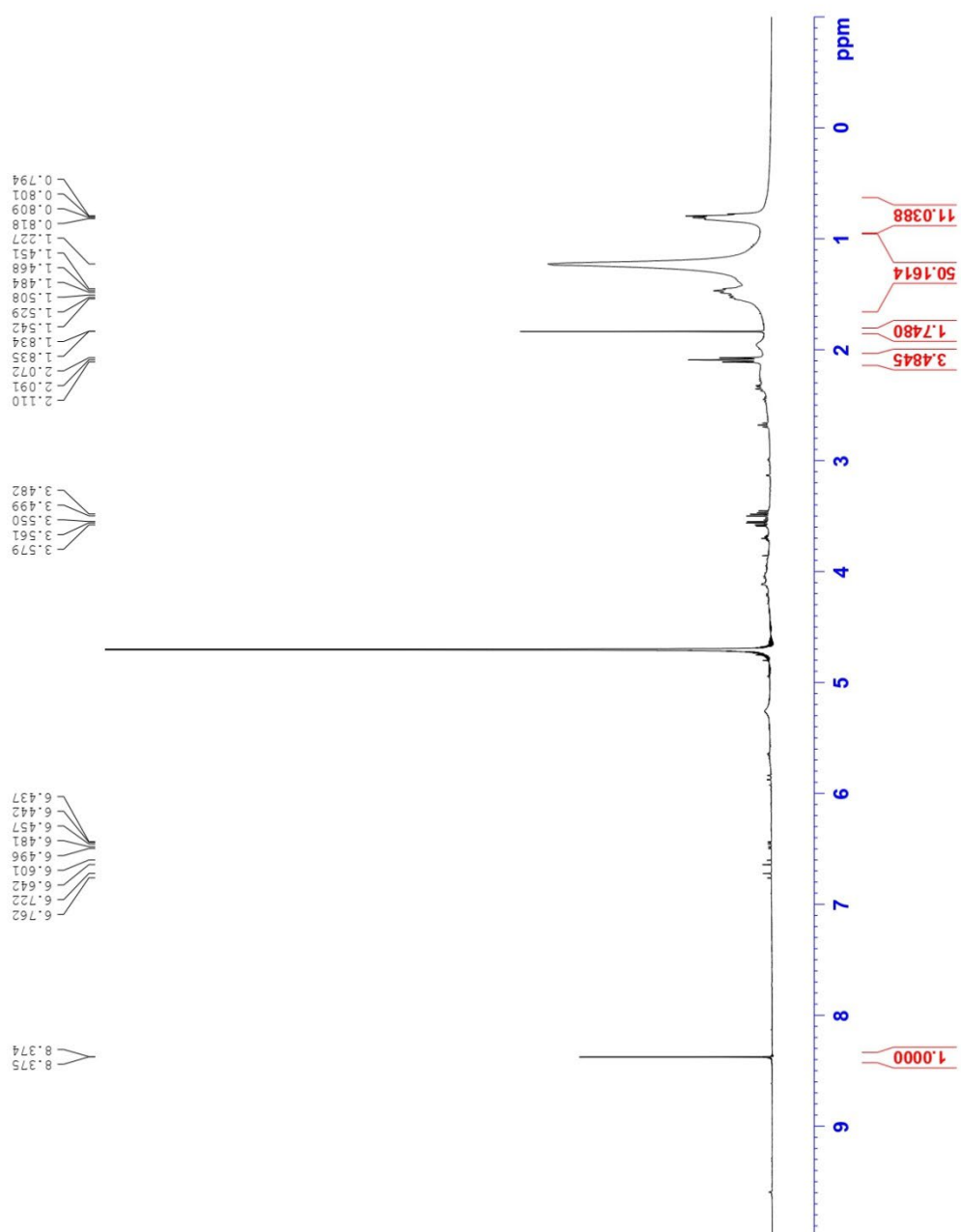


Figure S3. ^1H NMR spectrum of the CD-micelles

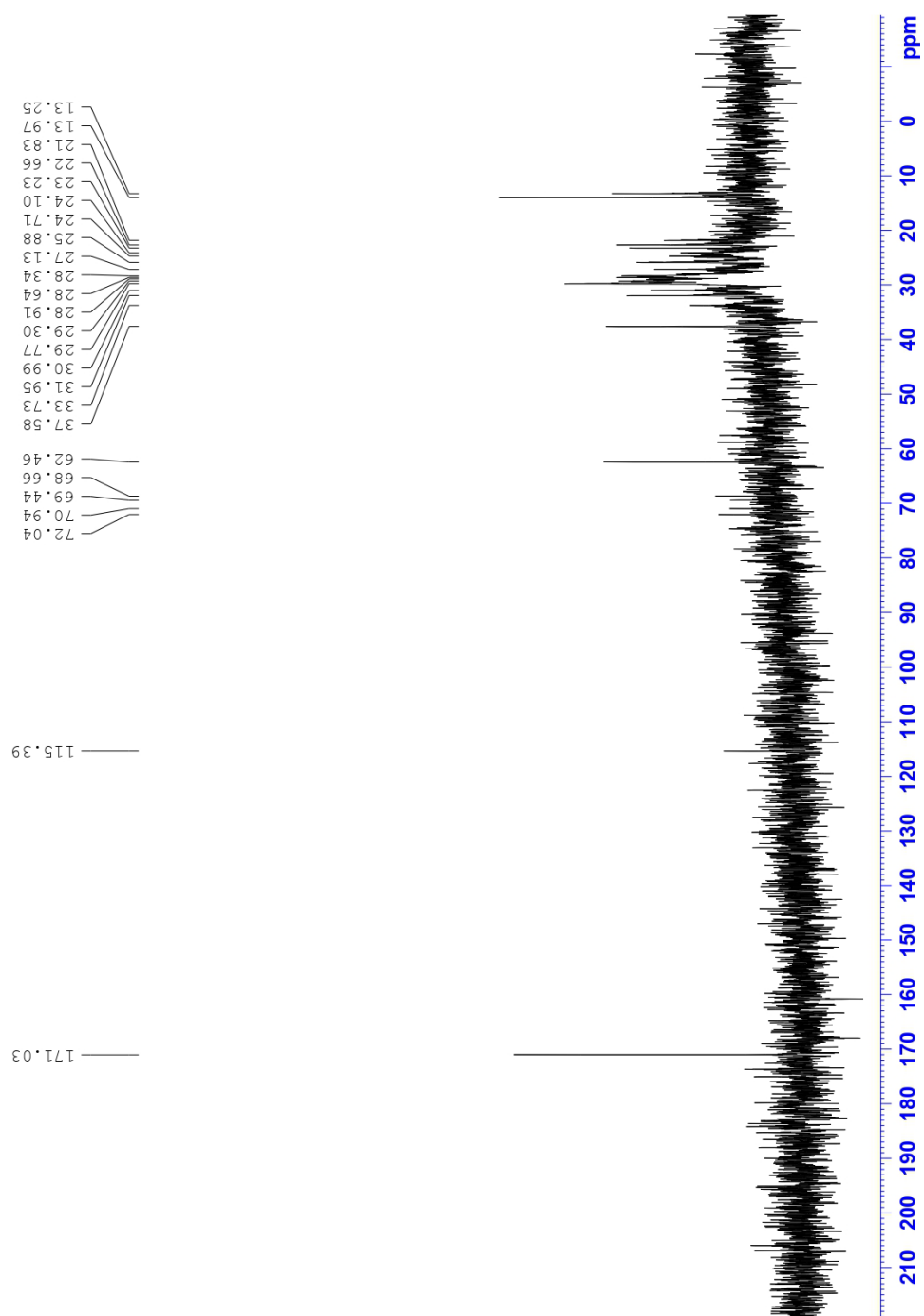


Figure S4. ^{13}C NMR spectrum of the CD-micelles

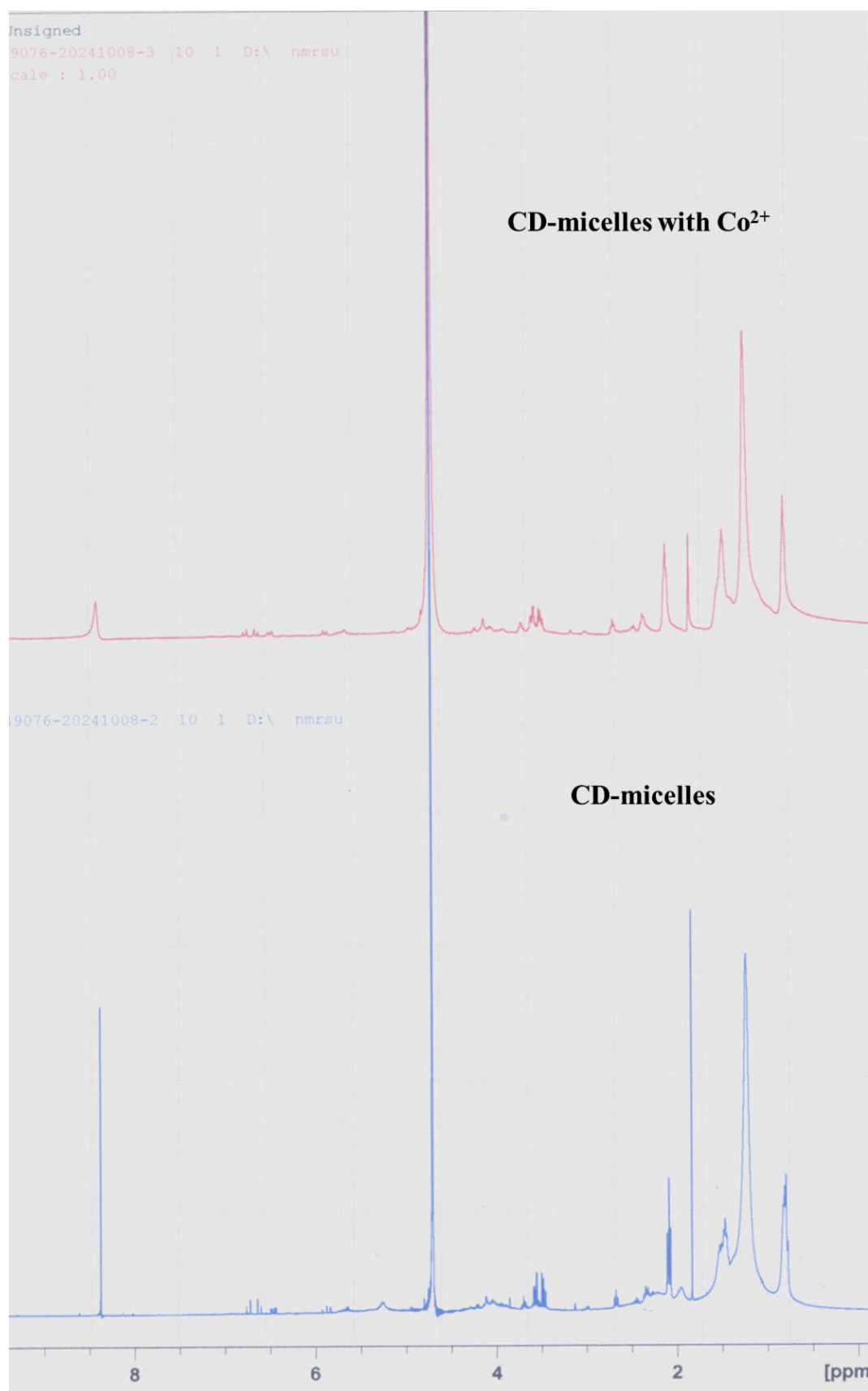


Figure S5. ^1H NMR spectra of the CD-micelles without (down) and with Co^{2+} (up).

