

Supplementary Materials: New Furan Derivatives from a Mangrove-Derived Endophytic Fungus *Corioloropsis* sp. J5

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Table of Contents

- Figure S1.** HRESIMS spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S2. ¹H-NMR (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S3. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S4. ¹H-¹H COSY (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S5. HSQC (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S6. HMBC (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1)
Figure S7. HRESIMS spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S8. ¹H-NMR (500 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S9. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S10. ¹H-¹H COSY (125 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S11. HSQC (125 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S12. HMBC (125 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2)
Figure S13. HRESIMS spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S14. ¹H-NMR (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S15. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S16. ¹H-¹H COSY (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S17. HSQC (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S18. HMBC (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3)
Figure S19. HRESIMS spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S20. ¹H-NMR (500 MHz, CDCl₃) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S21. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S22. ¹H-¹H COSY (500 MHz, CDCl₃) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S23. HSQC (500 MHz, CDCl₃) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S24. HMBC (500 MHz, CDCl₃) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4)
Figure S25. HRESIMS spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S26. ¹H-NMR (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S27. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S28. ¹H-¹H COSY (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S29. HSQC (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S30. HMBC (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5)
Figure S31. HRESIMS spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)
Figure S32. ¹H-NMR (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)
Figure S33. ¹³C-NMR (125 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)
Figure S34. ¹H-¹H COSY (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)
Figure S35. HSQC (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)
Figure S36. HMBC (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6)

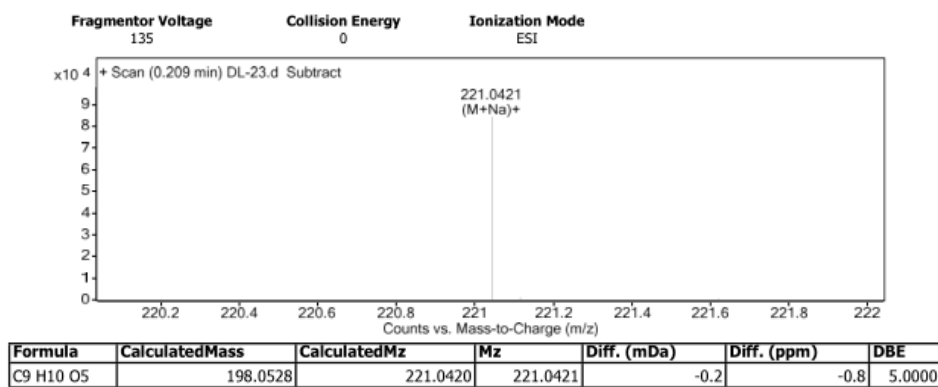


Figure S1. HRESIMS spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

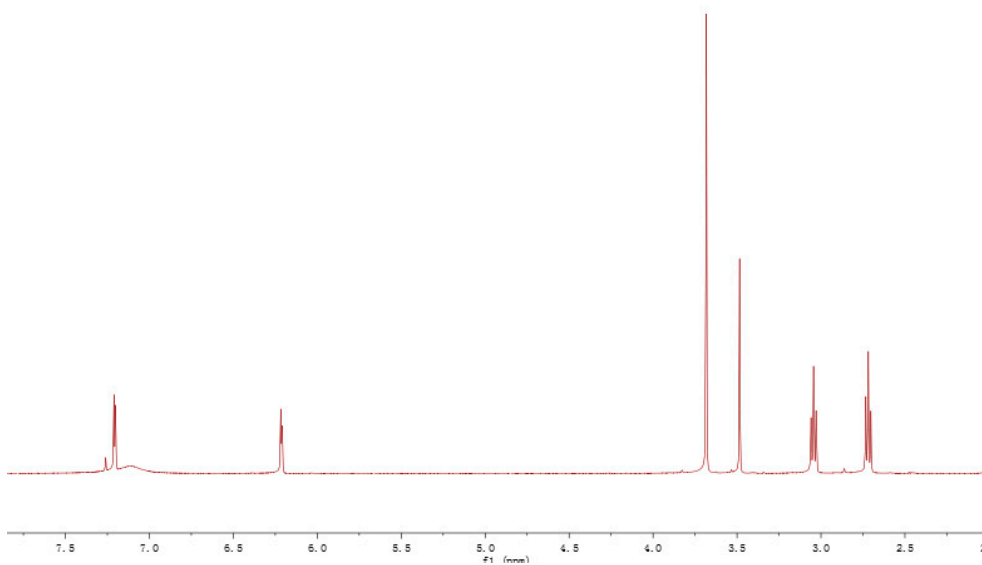


Figure S2. ^1H -NMR (500 MHz, CDCl_3) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

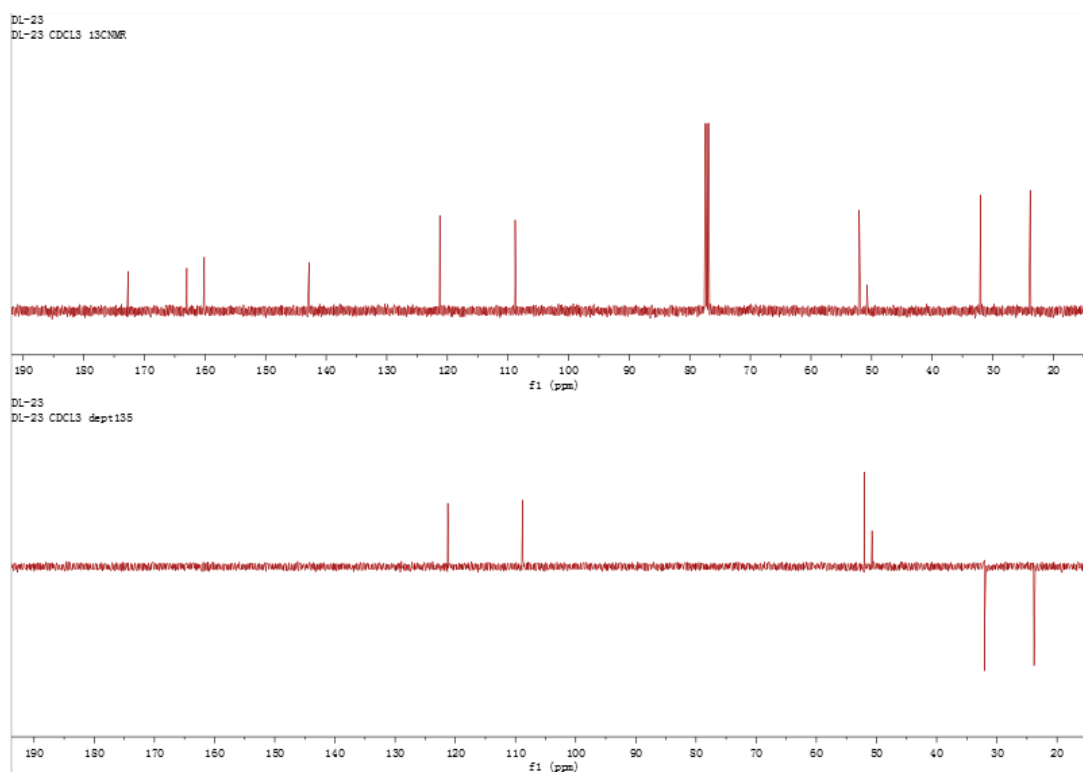


Figure S3. ^{13}C -NMR (125 MHz, CDCl_3) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

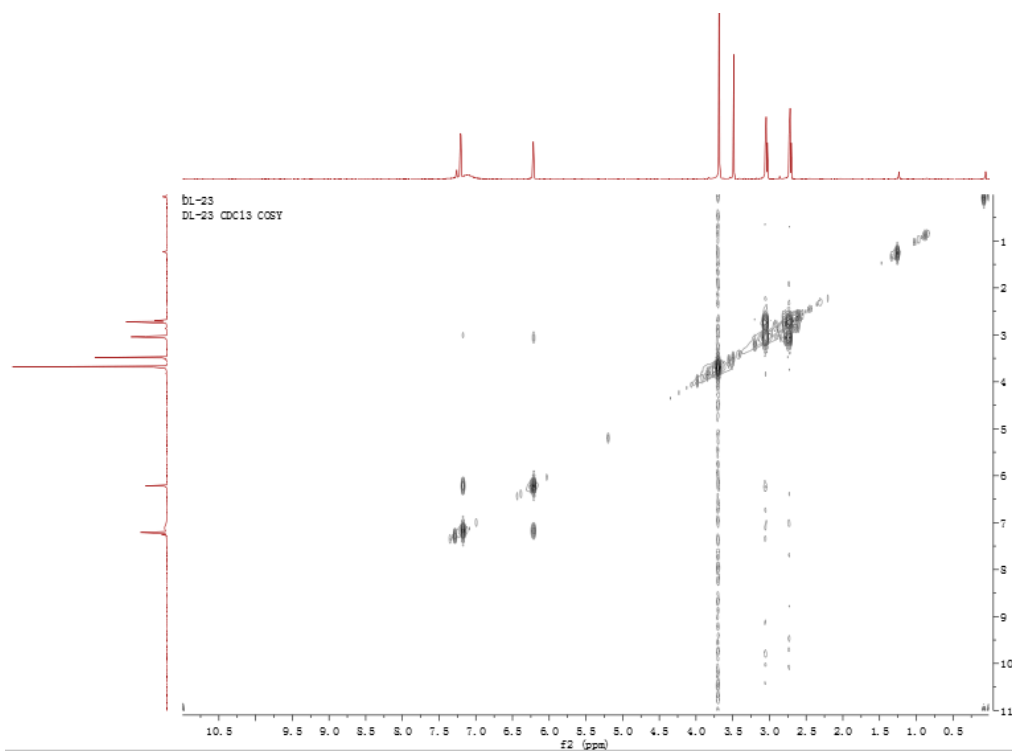


Figure S4. ^1H - ^1H COSY (500 MHz, CDCl_3) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

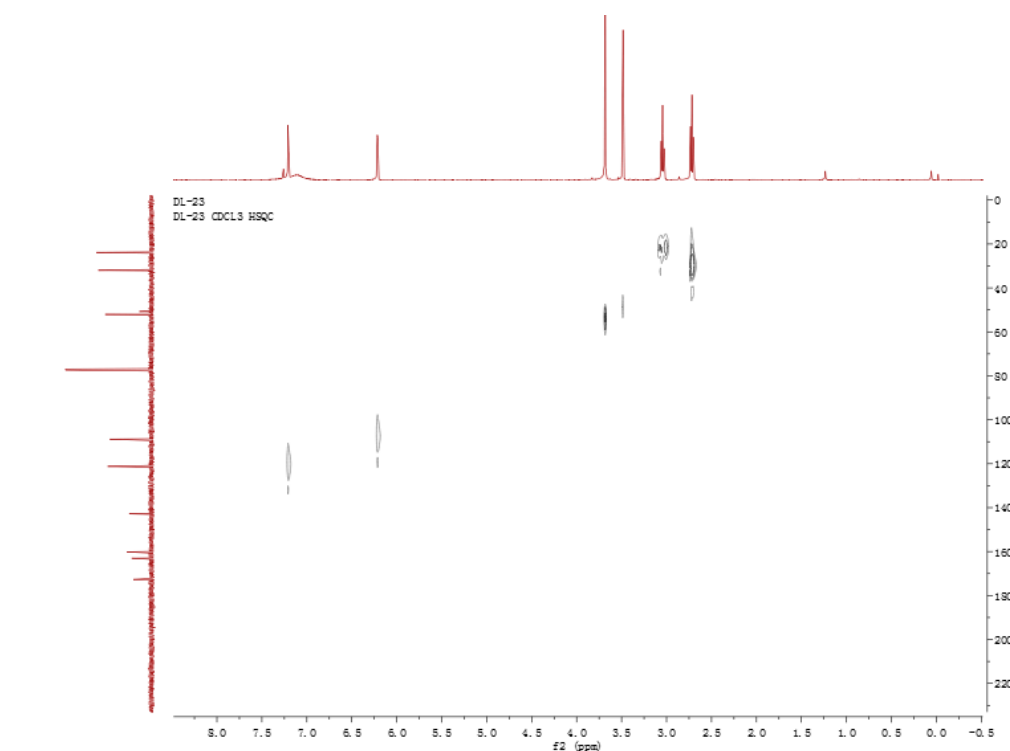


Figure S5. HSQC (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

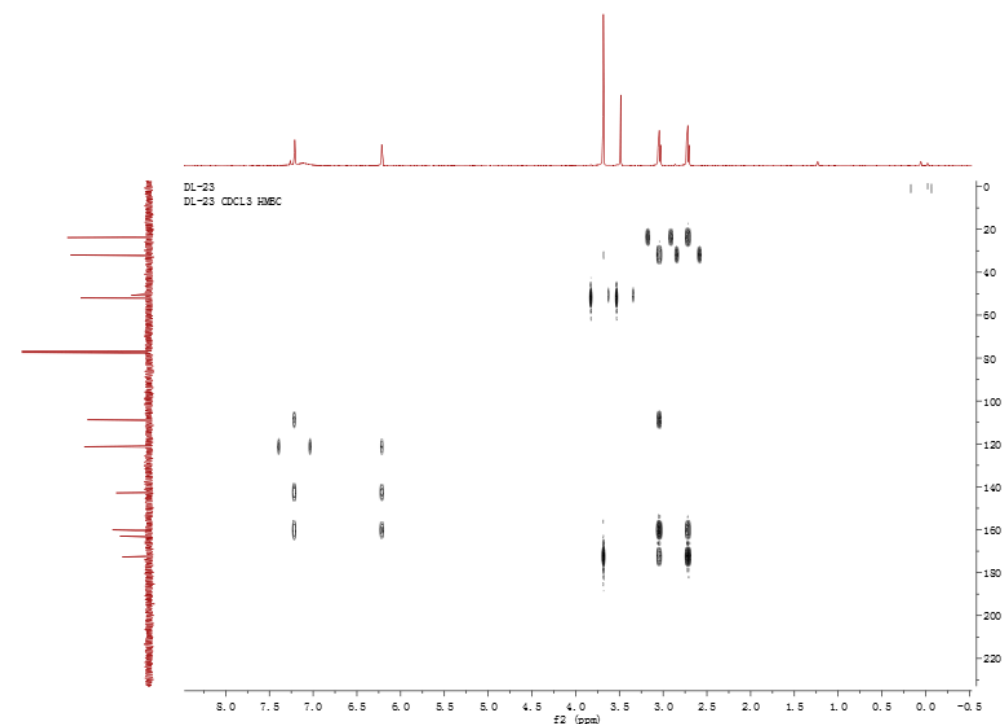


Figure S6. HMBC (500 MHz, CDCl₃) spectrum of 5-(3-methoxy-3-oxopropyl)-furan-2-carboxylic acid (1).

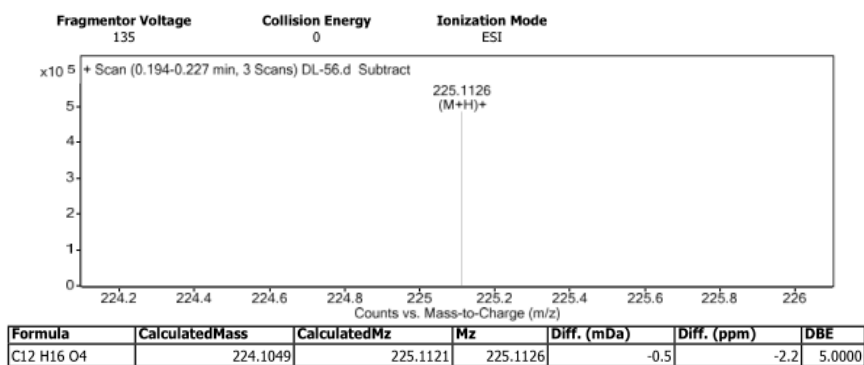


Figure S7. HRESIMS spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2).

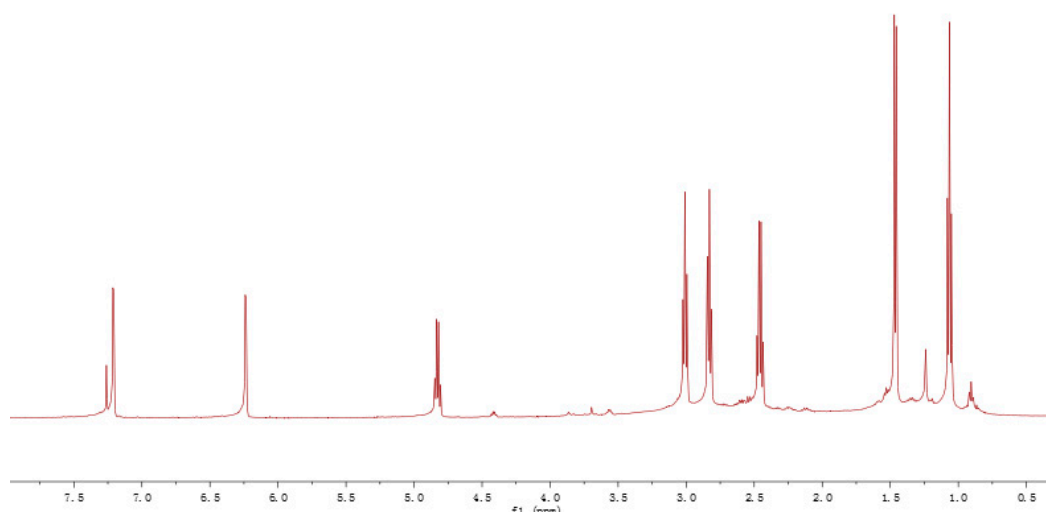


Figure S8. ¹H-NMR (500 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2).

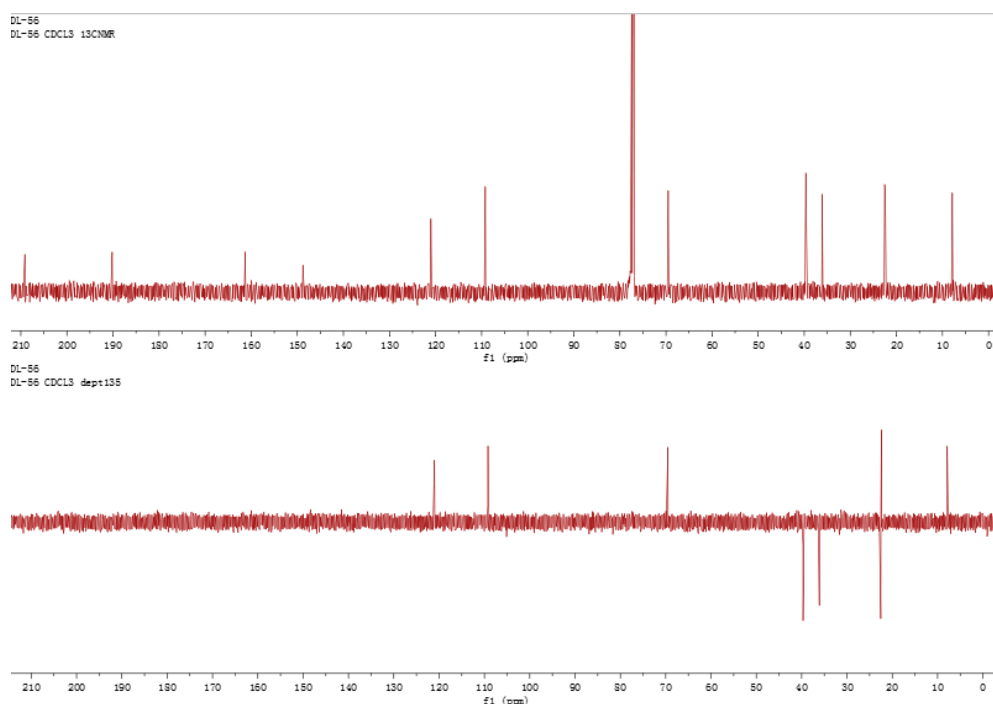


Figure S9. ^{13}C -NMR (125 MHz, CDCl_3) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2).

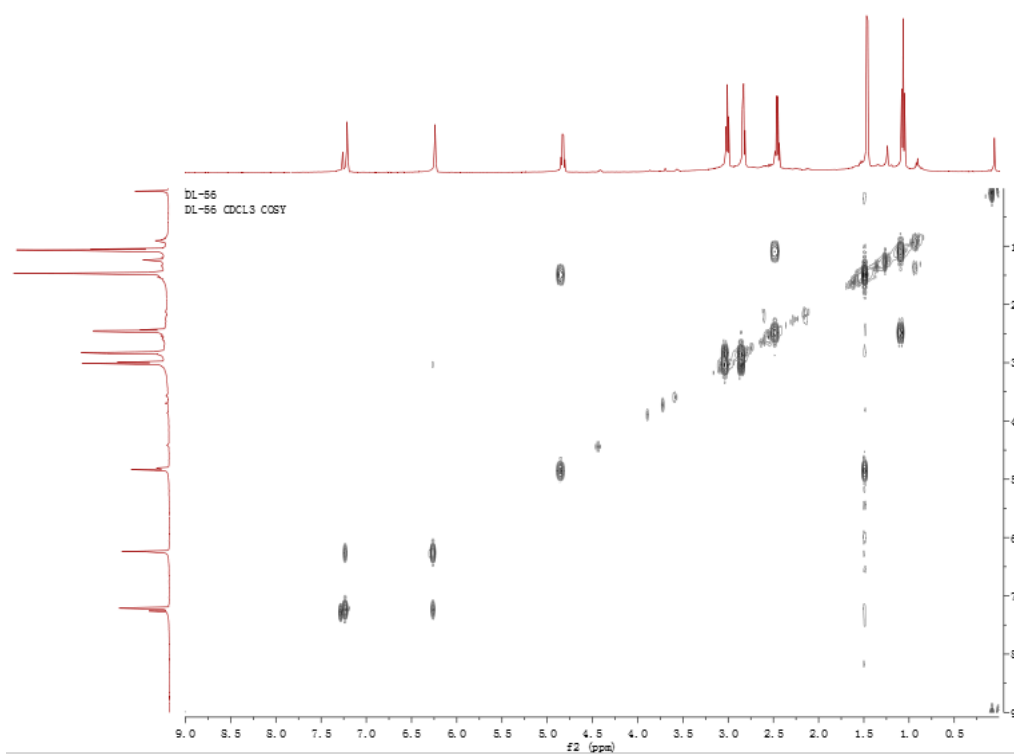


Figure S10. ^1H - ^1H COSY (500 MHz, CDCl_3) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (2).

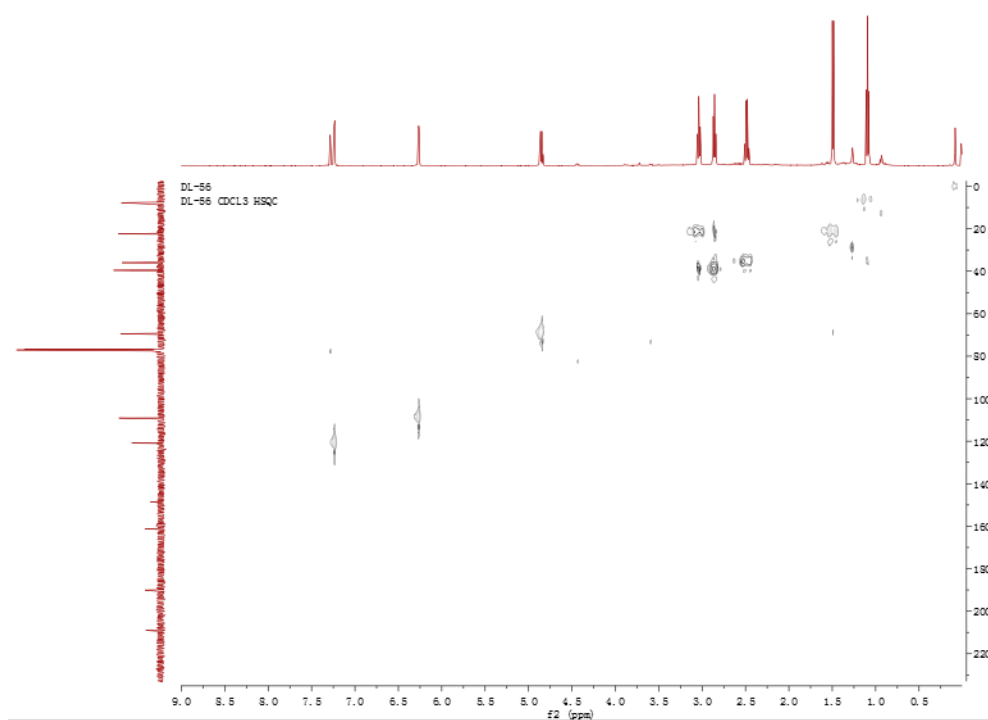


Figure S11. HSQC (500 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (**2**).

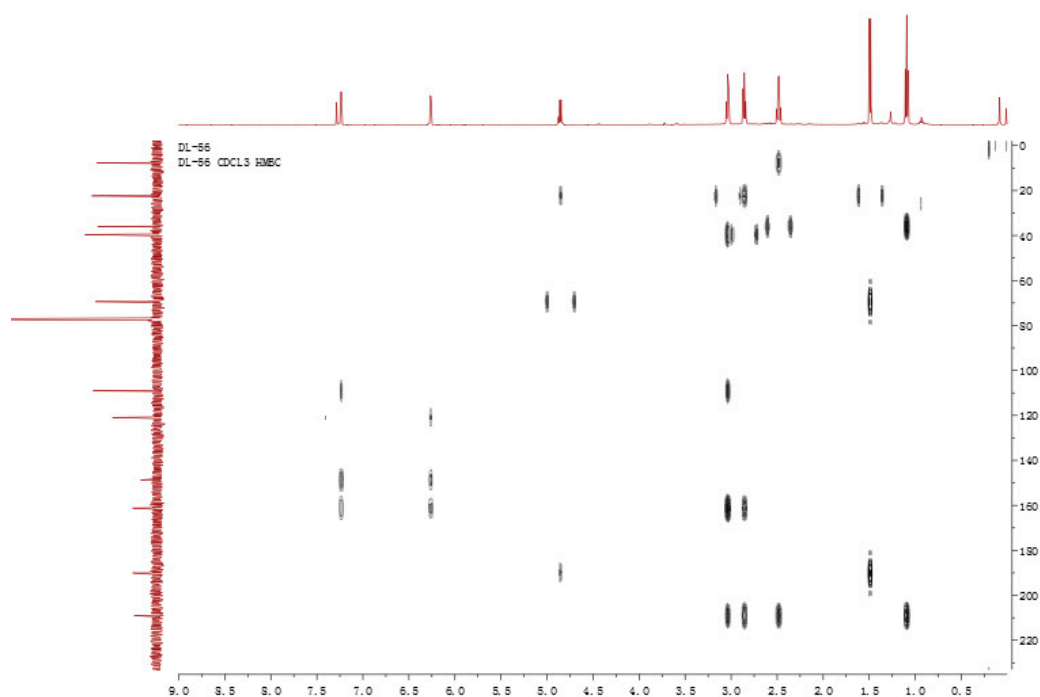


Figure S12. HMBC (500 MHz, CDCl₃) spectrum of 1-(5-(2-hydroxypropanoyl)-furan-2-yl)-pentan-3-one (**2**).

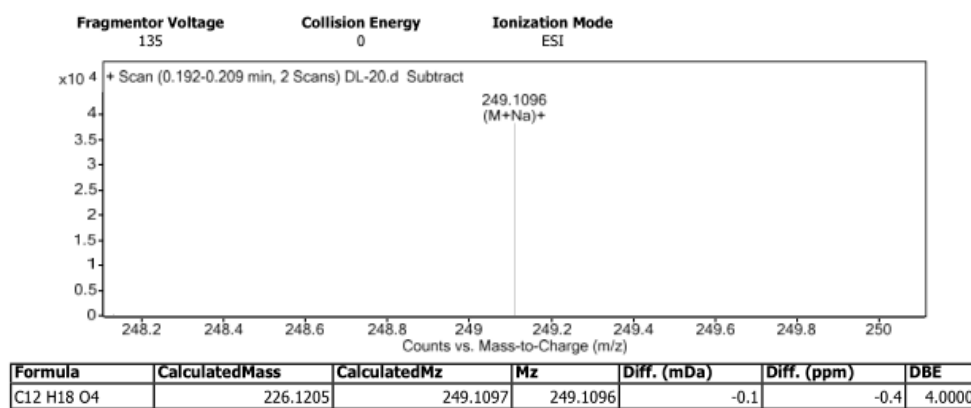


Figure S13. HRESIMS spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3).

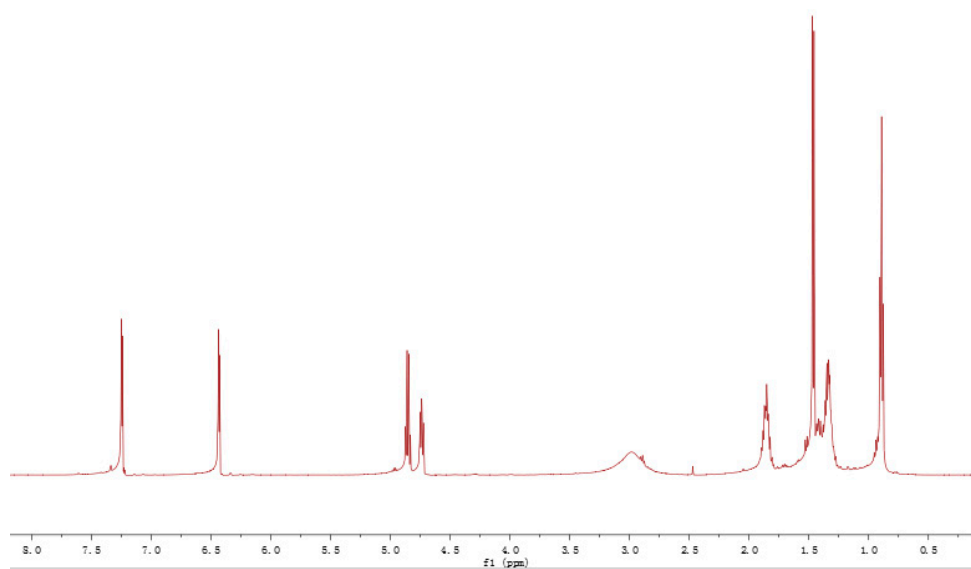


Figure S14. ^1H -NMR (500 MHz, CDCl_3) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3).

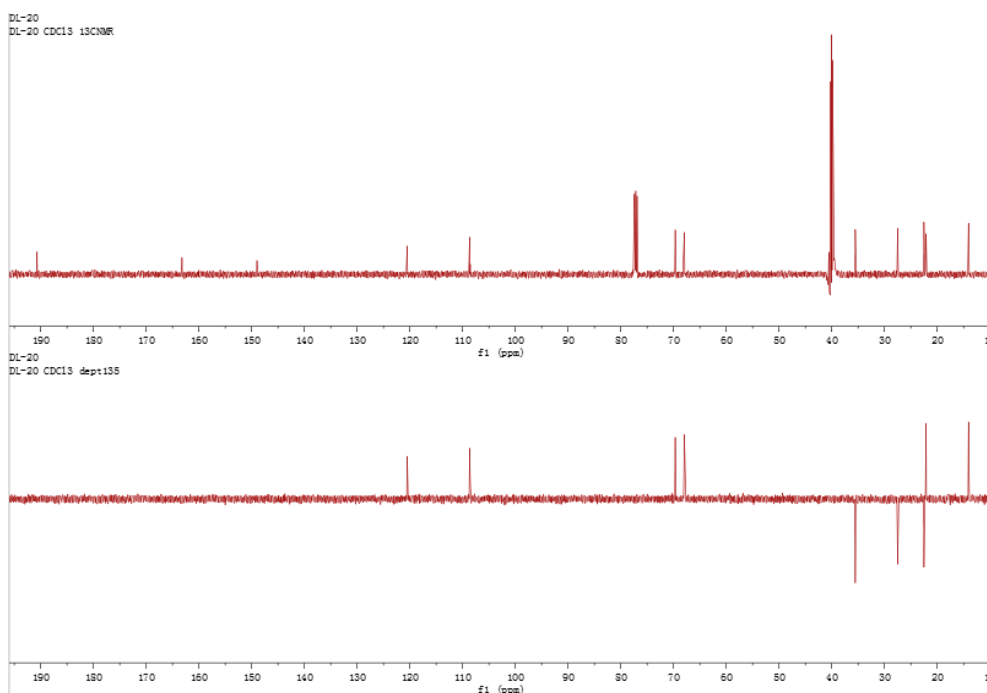


Figure S15. ^{13}C -NMR (125 MHz, CDCl_3) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3).

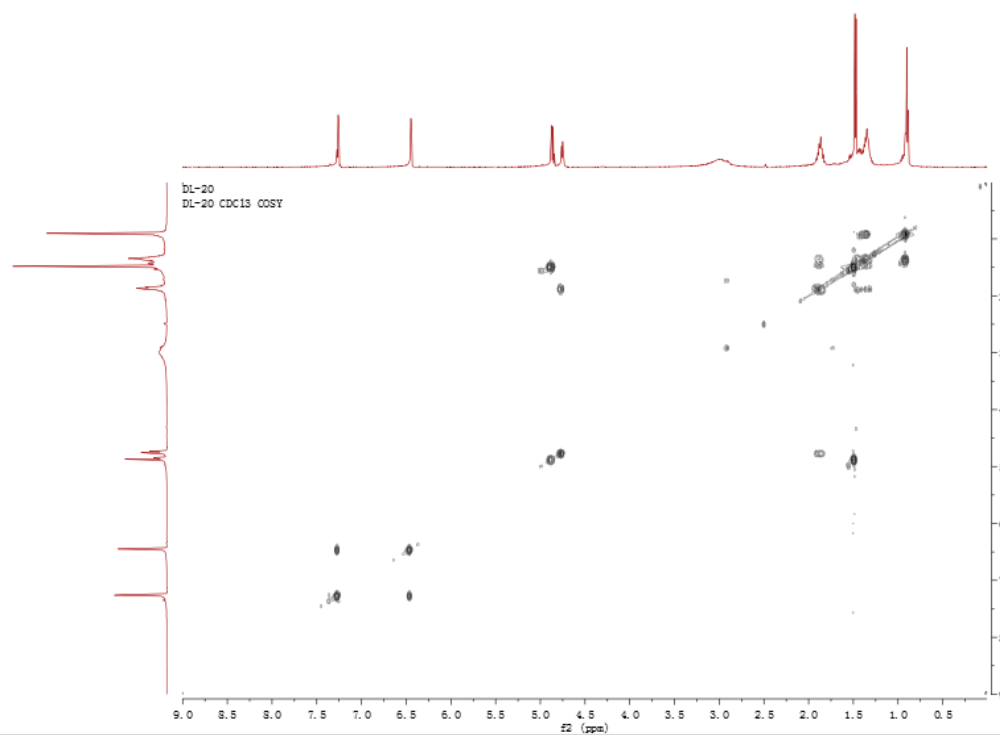


Figure S16. ^1H - ^1H COSY (500 MHz, CDCl_3) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)-propan-1-one (3).

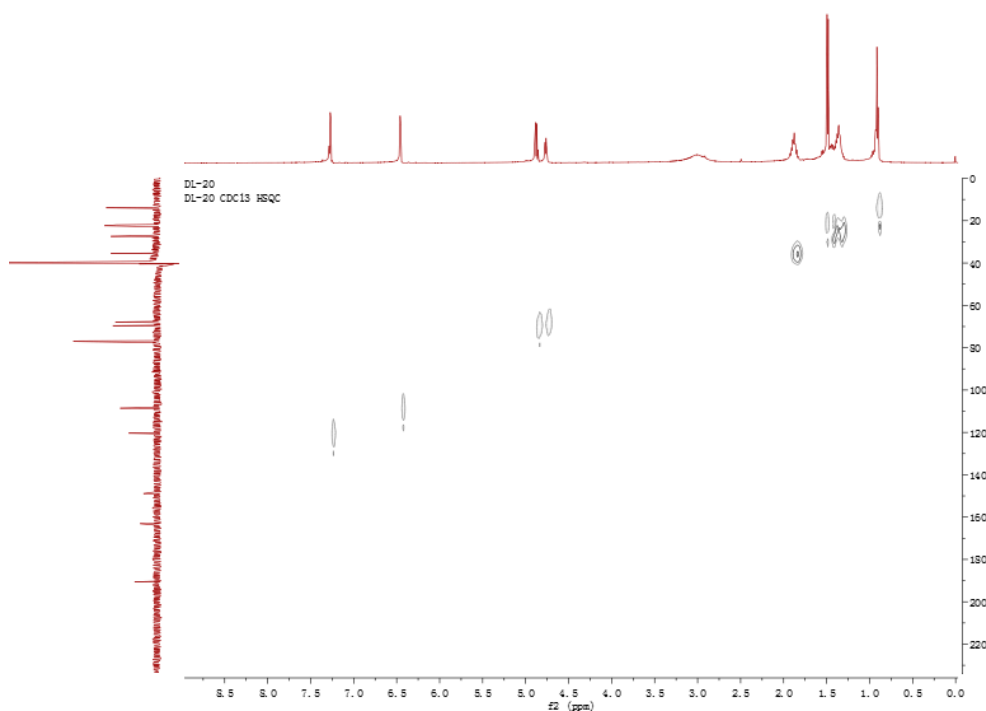


Figure S17. HSQC (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)propan-1-one (3).

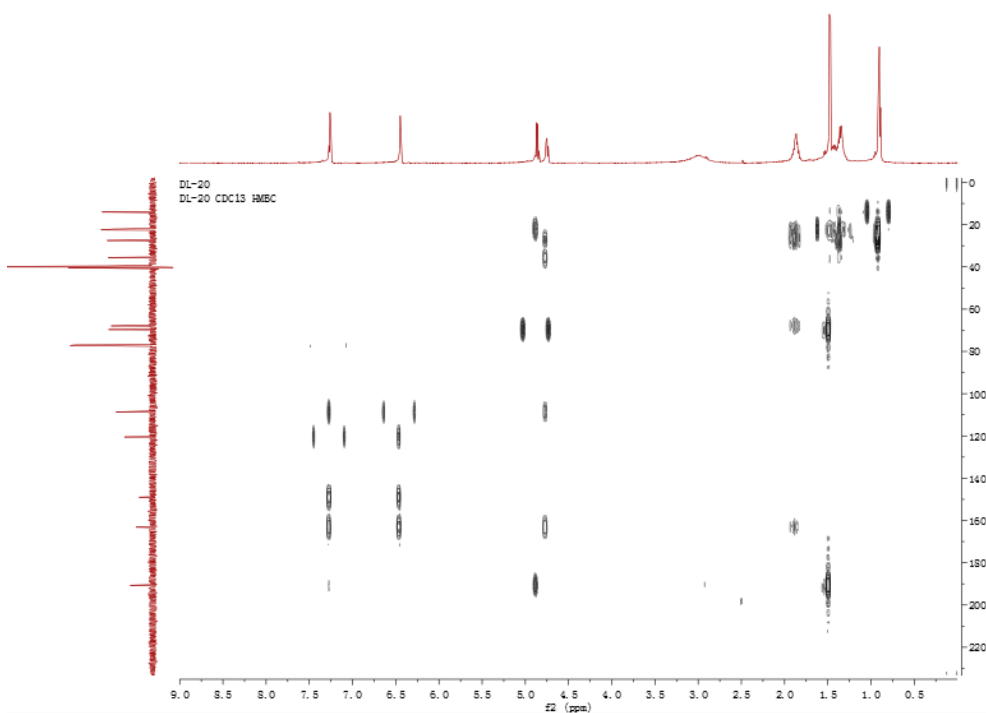


Figure S18. HMBC (500 MHz, CDCl₃) spectrum of 2-hydroxy-1-(5-(1-hydroxypentyl)-furan-2-yl)propan-1-one (3).

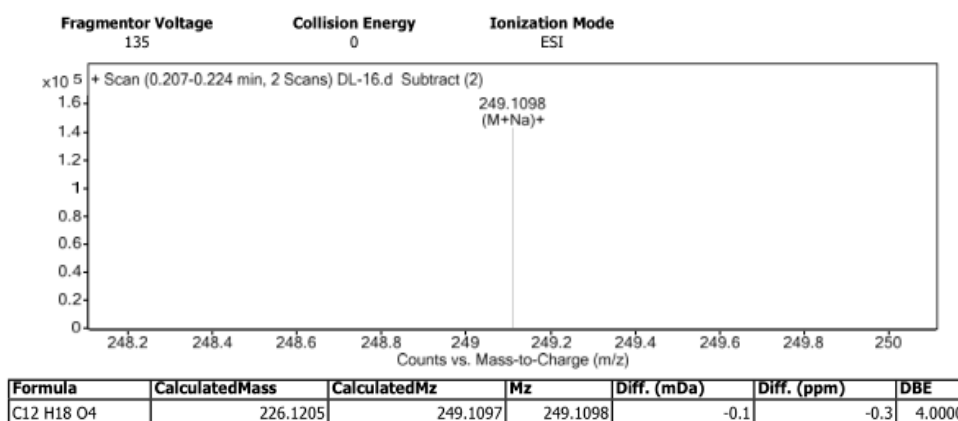


Figure S19. HRESIMS spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (**4**).

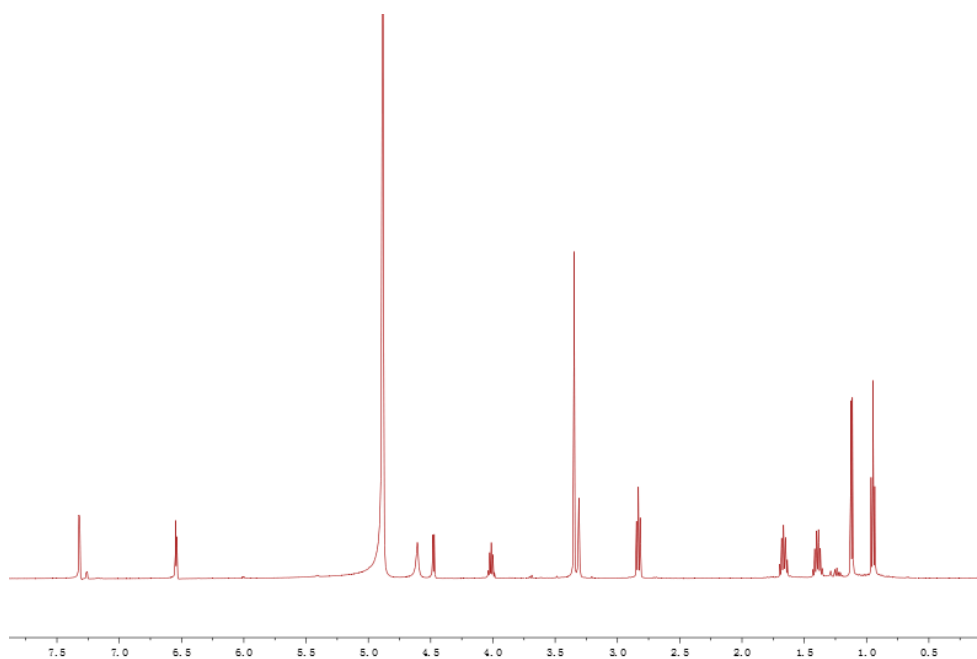


Figure S20. ¹H-NMR (500 MHz, CD₃OD) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (**4**).

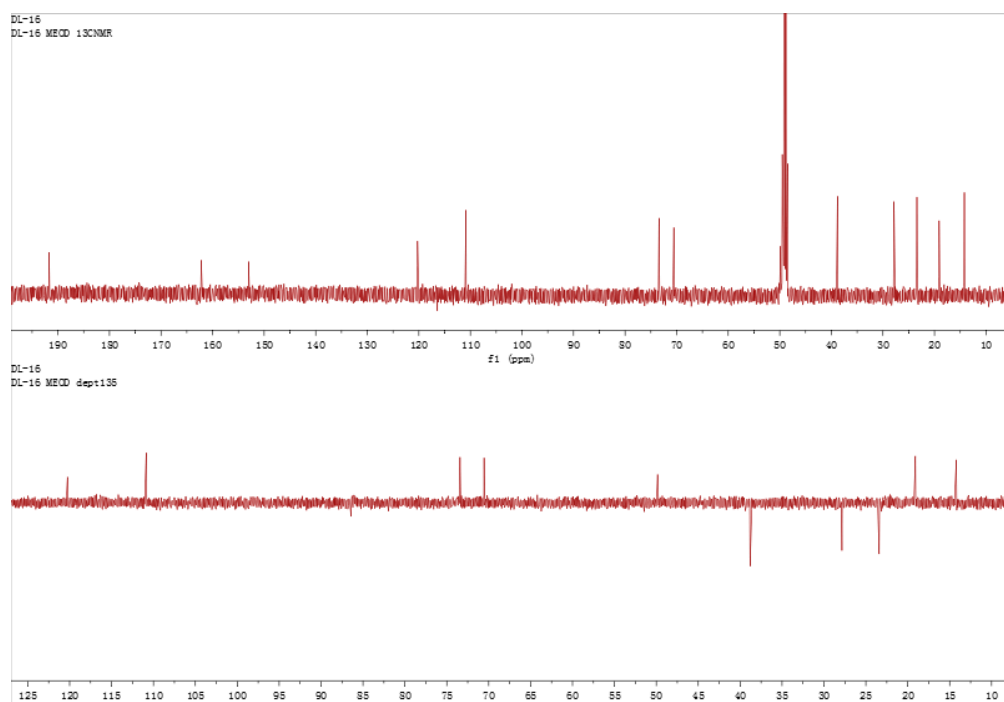


Figure S21. ^{13}C -NMR (125 MHz, CD_3OD) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4).

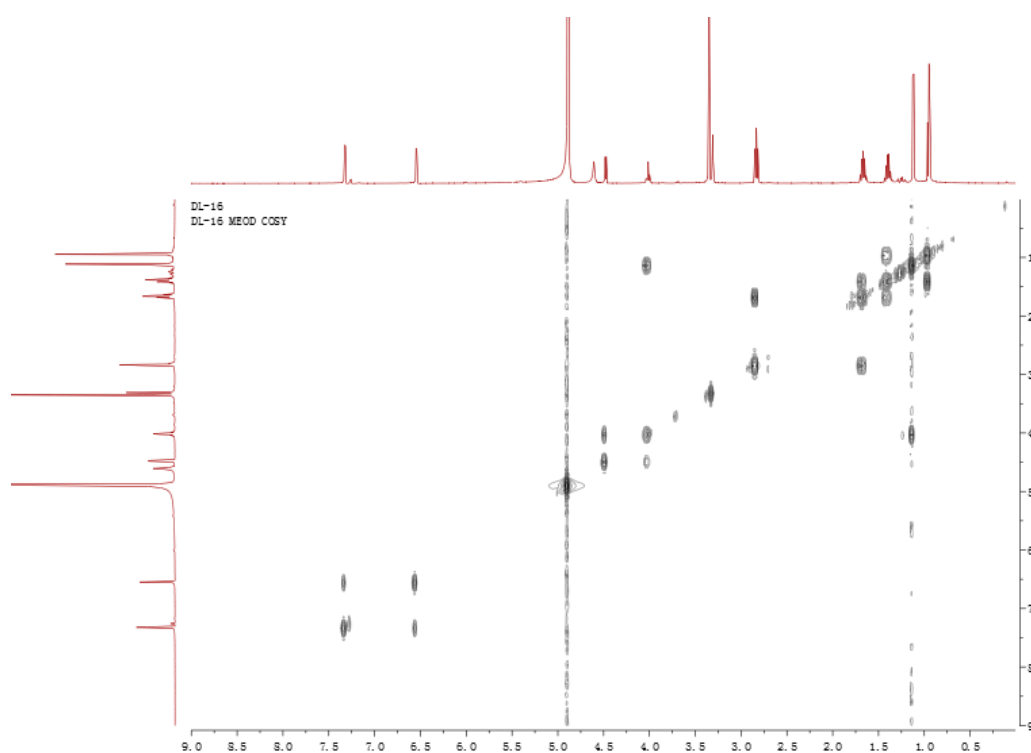


Figure S22. ^1H - ^1H COSY (500 MHz, CD_3OD) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (4).

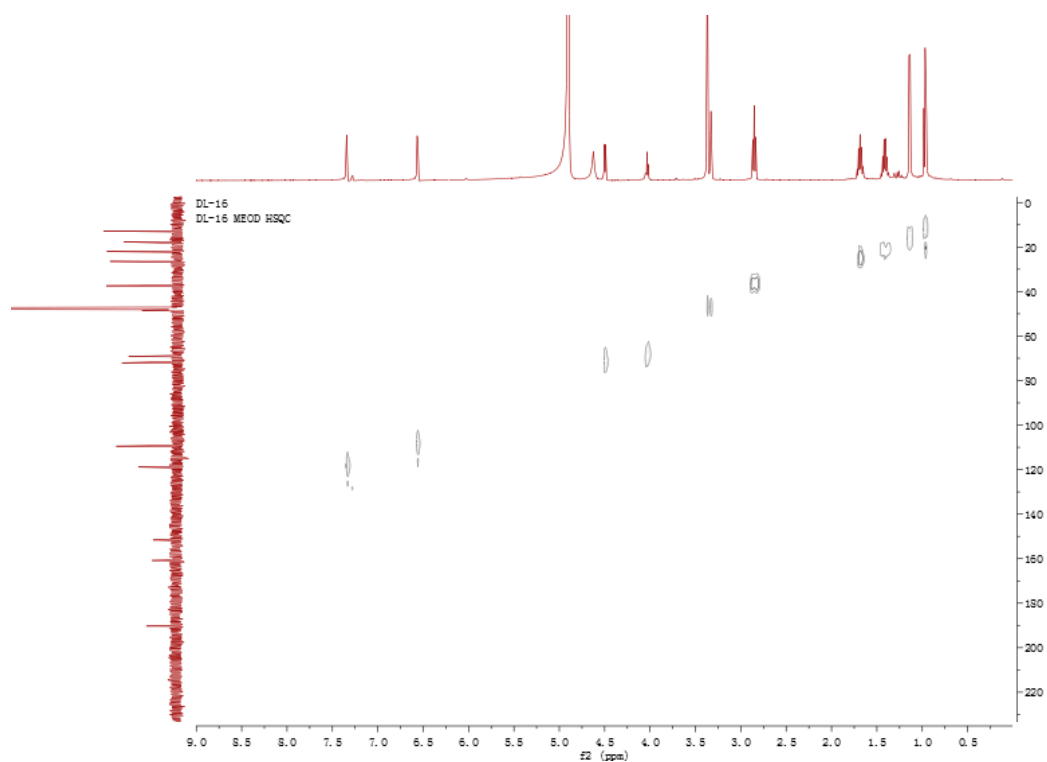


Figure S23. HSQC (500 MHz, CD₃OD) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (**4**).

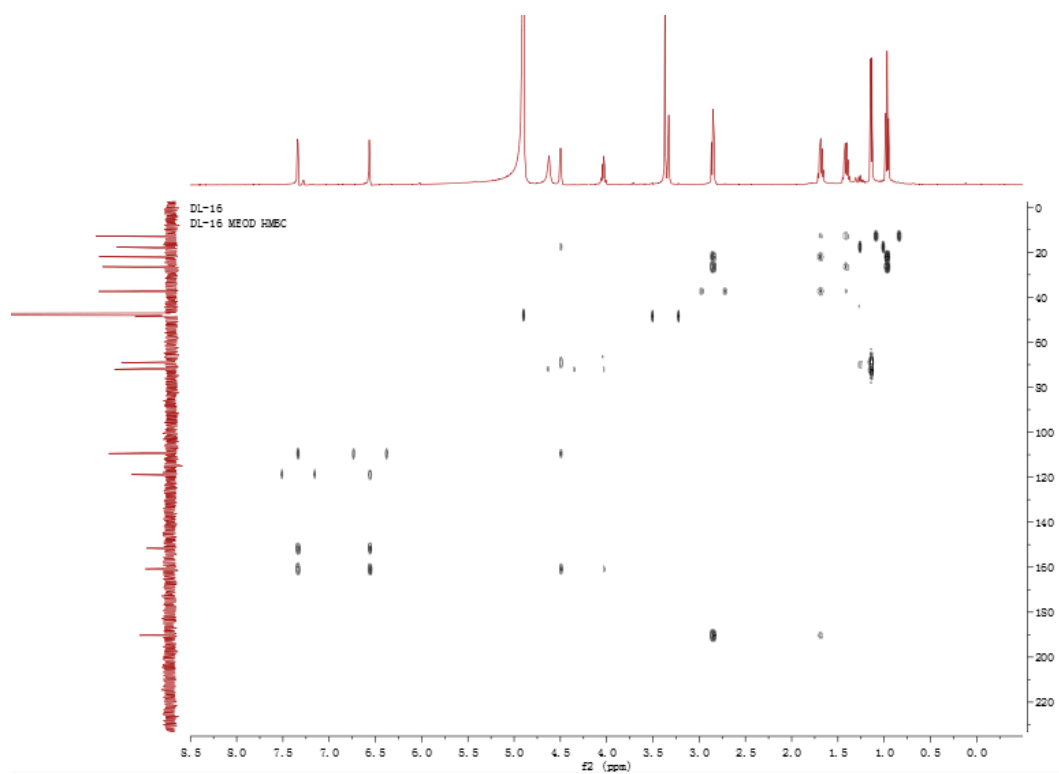


Figure S24. HMBC (500 MHz, CD₃OD) spectrum of 1-(5-(1,2-dihydroxypropyl)-furan-2-yl)-pentan-1-one (**4**).

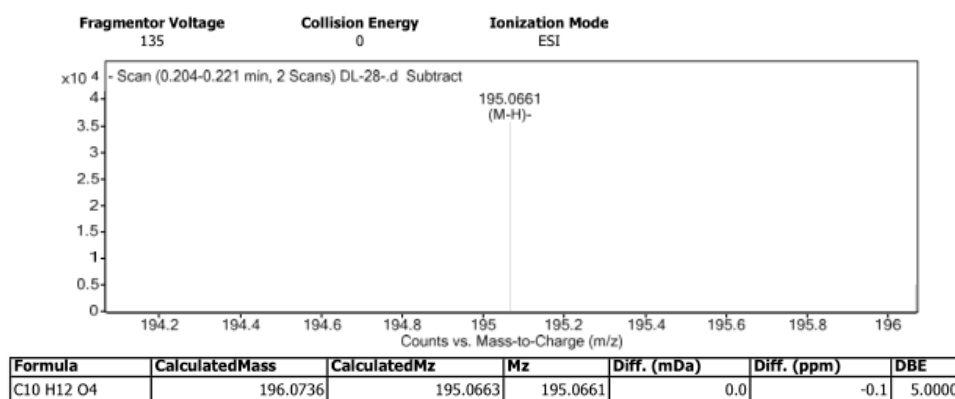


Figure S25. HRESIMS spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

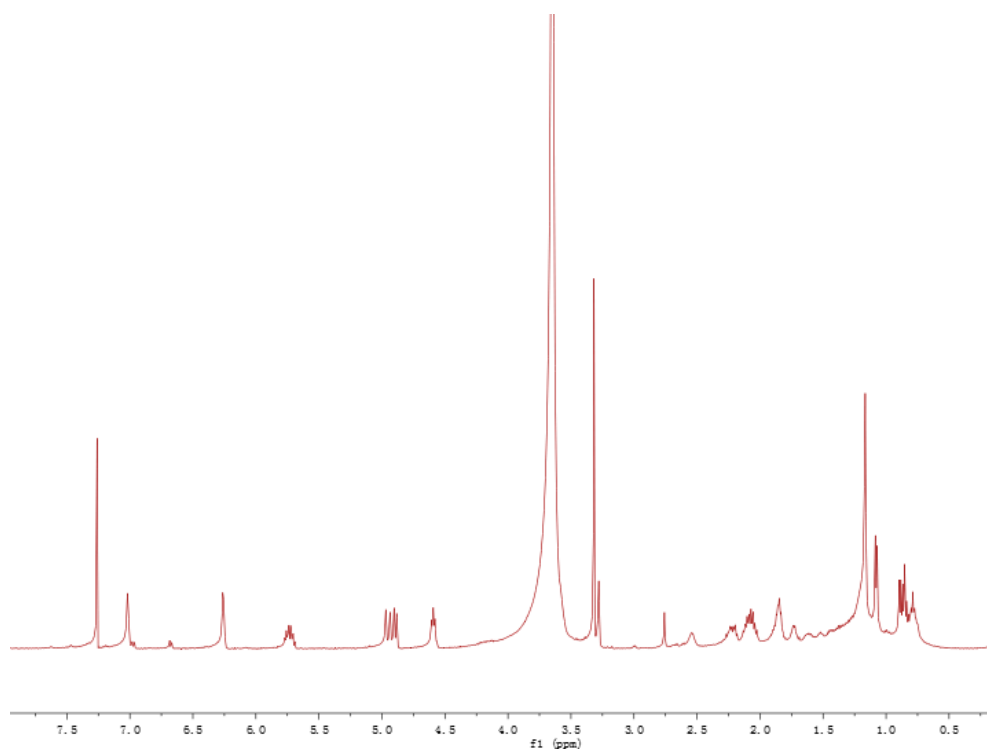


Figure S26. ¹H-NMR (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

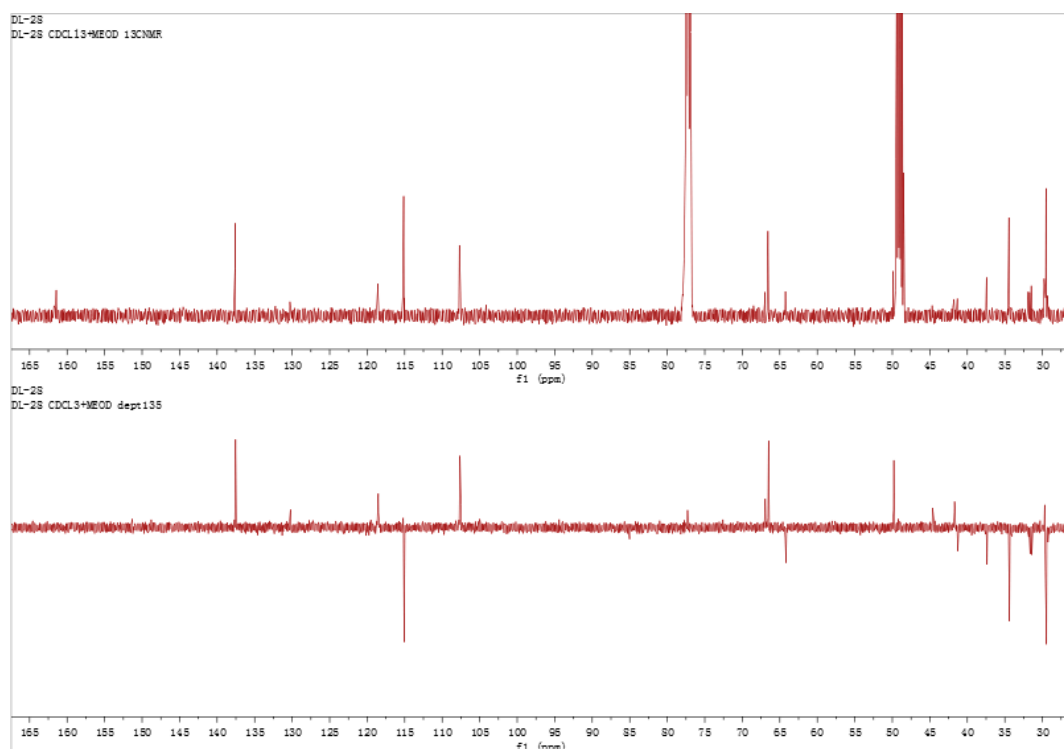


Figure S27. ^{13}C -NMR (125 MHz, CDCl_3) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

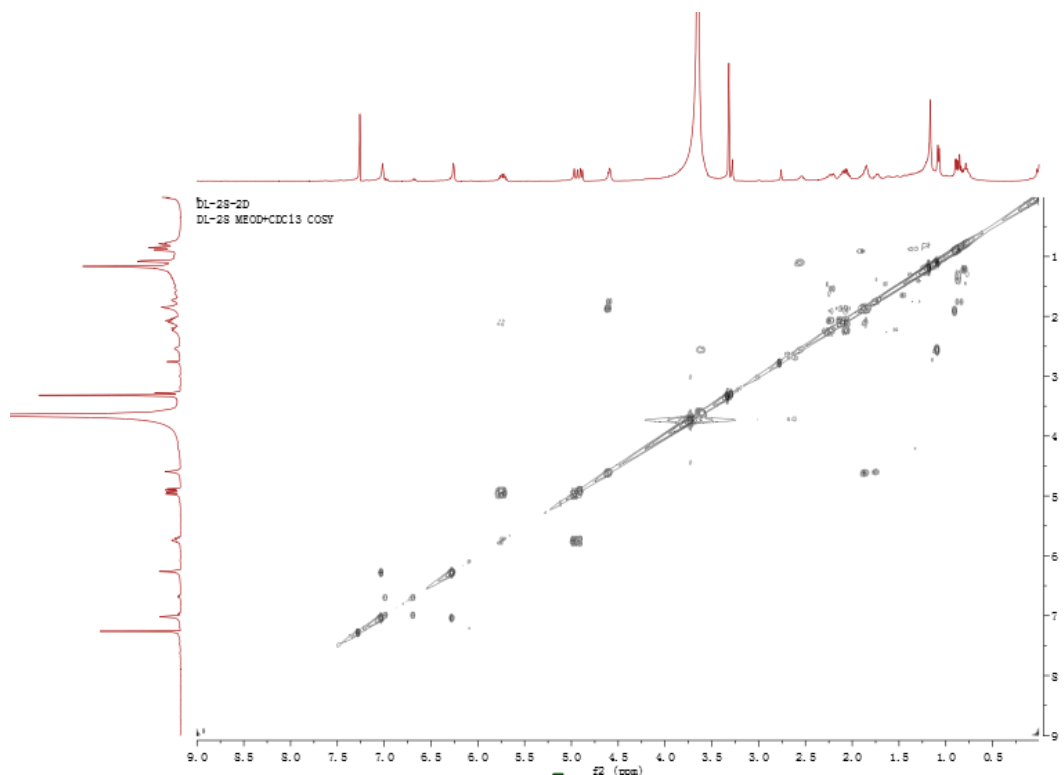


Figure S28. ^1H - ^1H COSY (500 MHz, CDCl_3) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

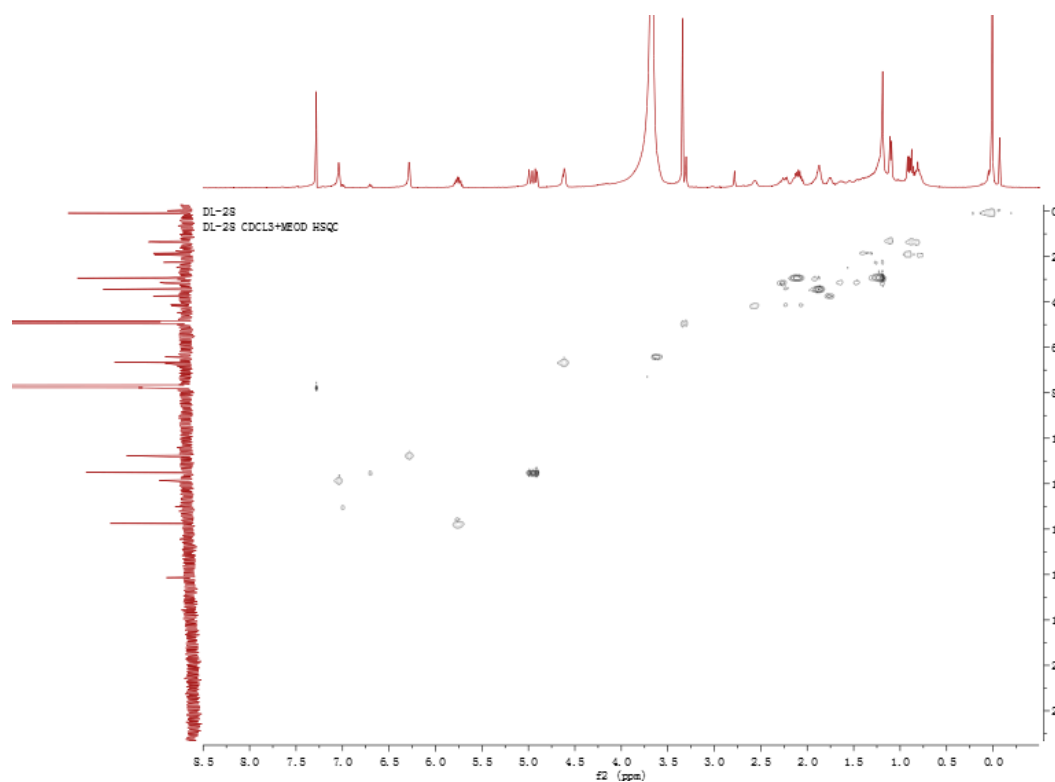


Figure S29. HSQC (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

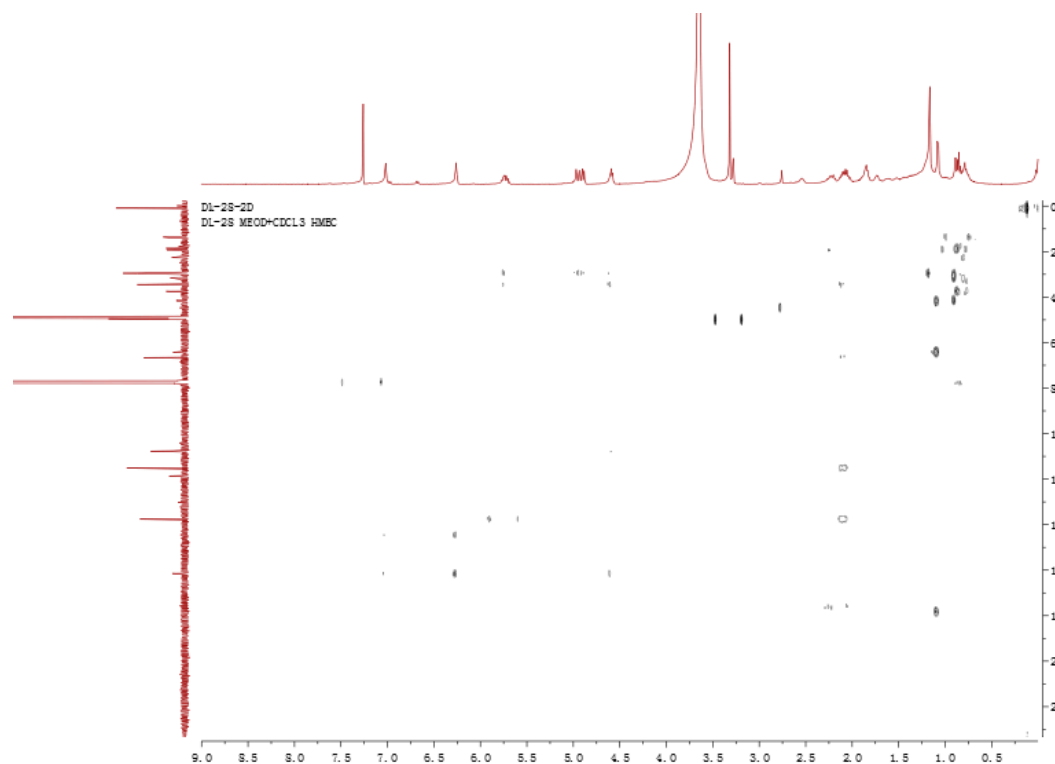


Figure S30. HMBC (500 MHz, CDCl₃) spectrum of 5-(1-hydroxypent-4-en-1-yl)-furan-2-carboxylic acid (5).

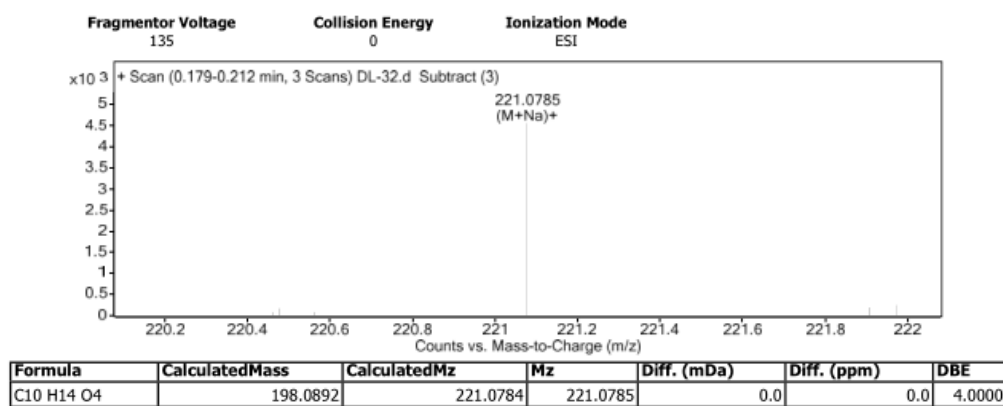


Figure S31. HRESIMS spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).

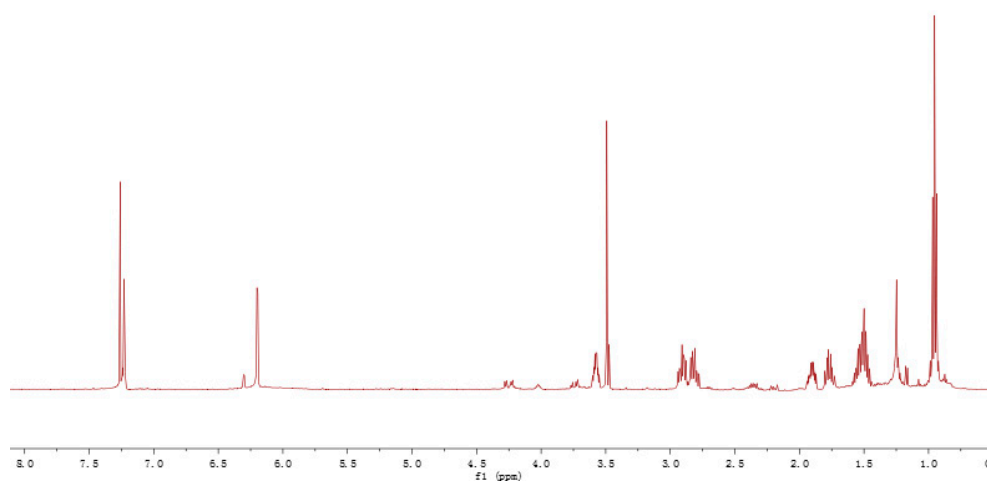


Figure S32. ^1H -NMR (500 MHz, CDCl_3) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).

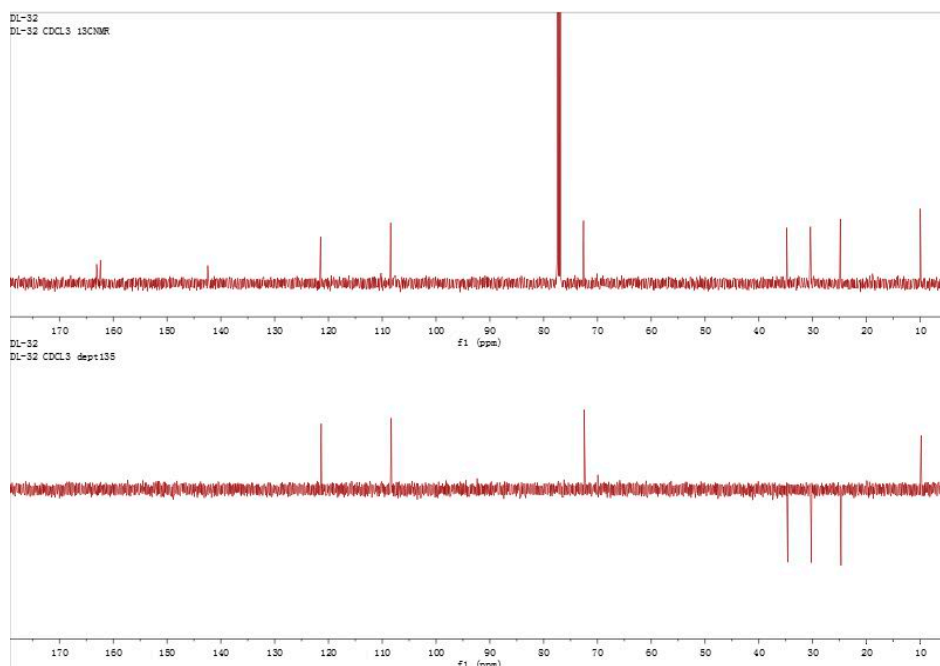


Figure S33. ^{13}C -NMR (125 MHz, CDCl_3) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).

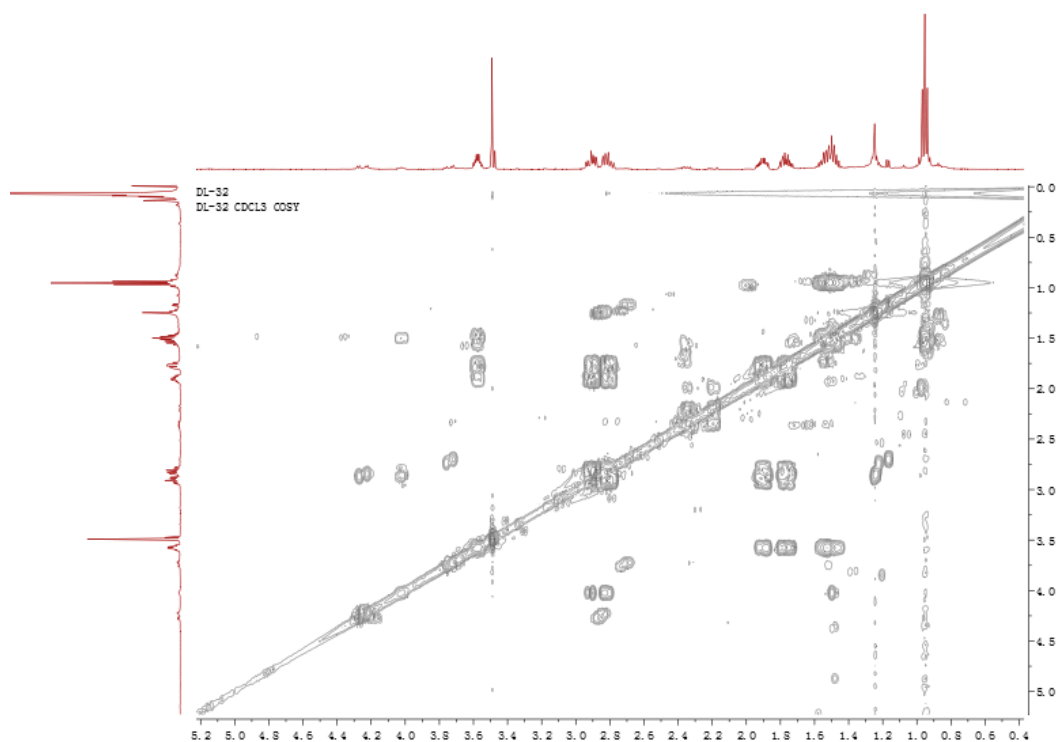


Figure S34. ^1H - ^1H COSY (500 MHz, CDCl_3) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).

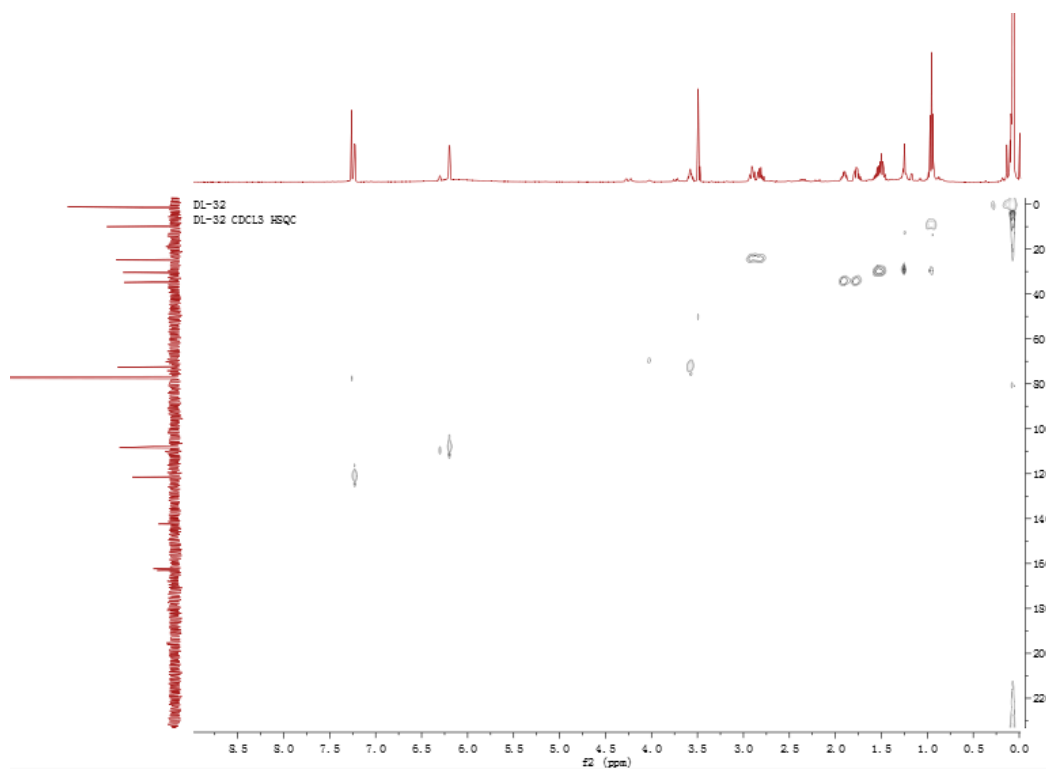


Figure S35. HSQC (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).

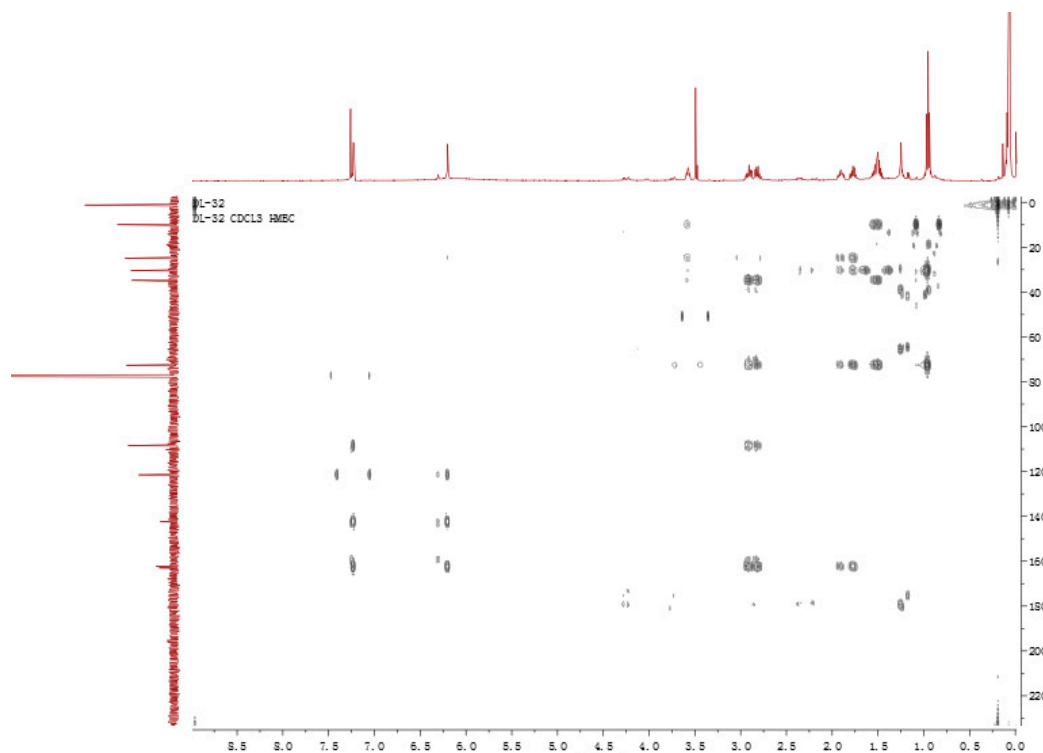


Figure S36. HMBC (500 MHz, CDCl₃) spectrum of 5-(3-hydroxypentyl)-furan-2-carboxylic acid (6).