

SUPPLEMENTARY INFORMATION

Semi-Synthesis and Biological Evaluation Studies of 25(R)-26-Acetoxy-3 β ,5 α -dihydroxycholest-6-one

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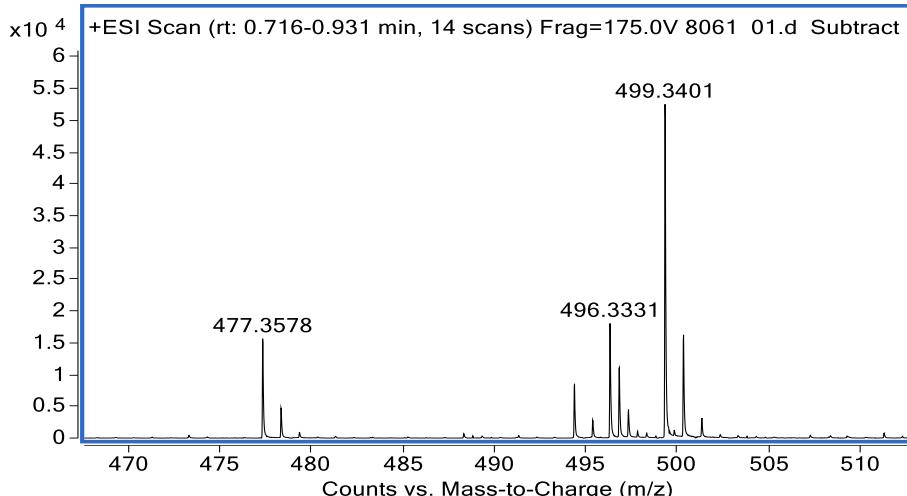


Figure S1. High-resolution electron spray ionization mass (HRMS-ESI) of compound (25R)-5.

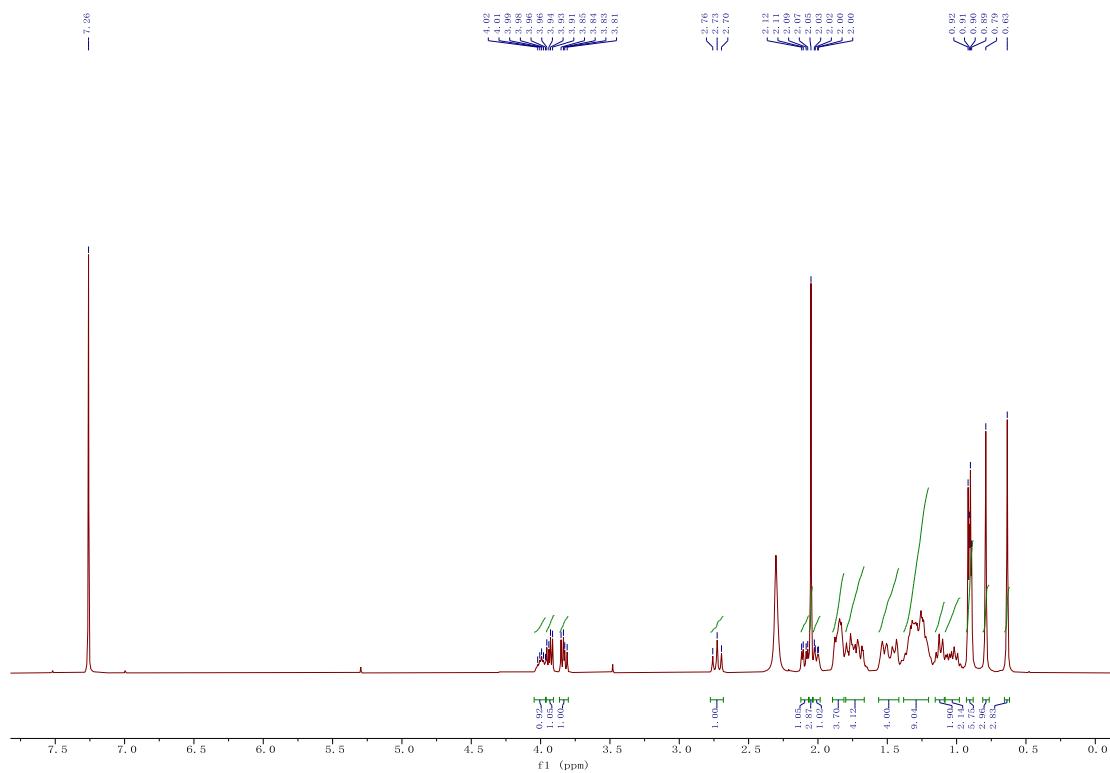


Figure S2. The copy of ^1H NMR spectrum (400 MHz, CDCl_3) of (25*R*)-5.

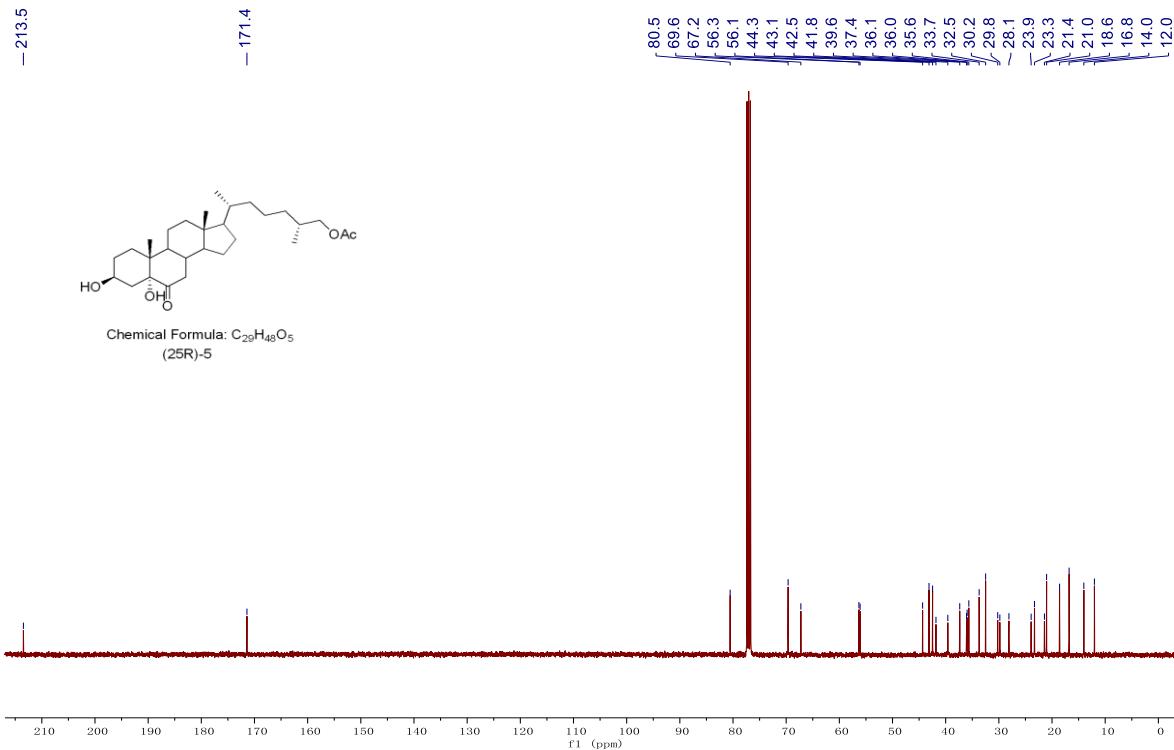


Figure S3. The copy of ^{13}C NMR spectrum (101 MHz, CDCl_3) of (25*R*)-5.

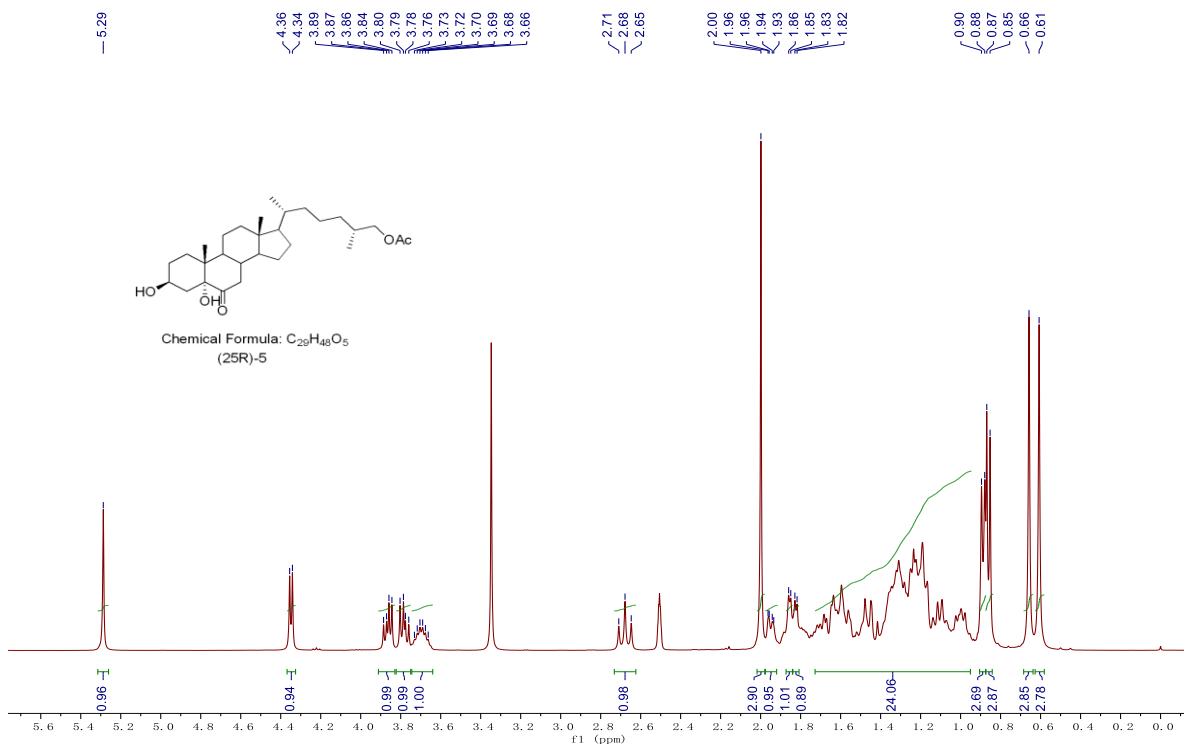


Figure S4. The copy of ^1H NMR spectrum (400 MHz, $\text{DMSO}-d_6$) of (25*R*)-5.

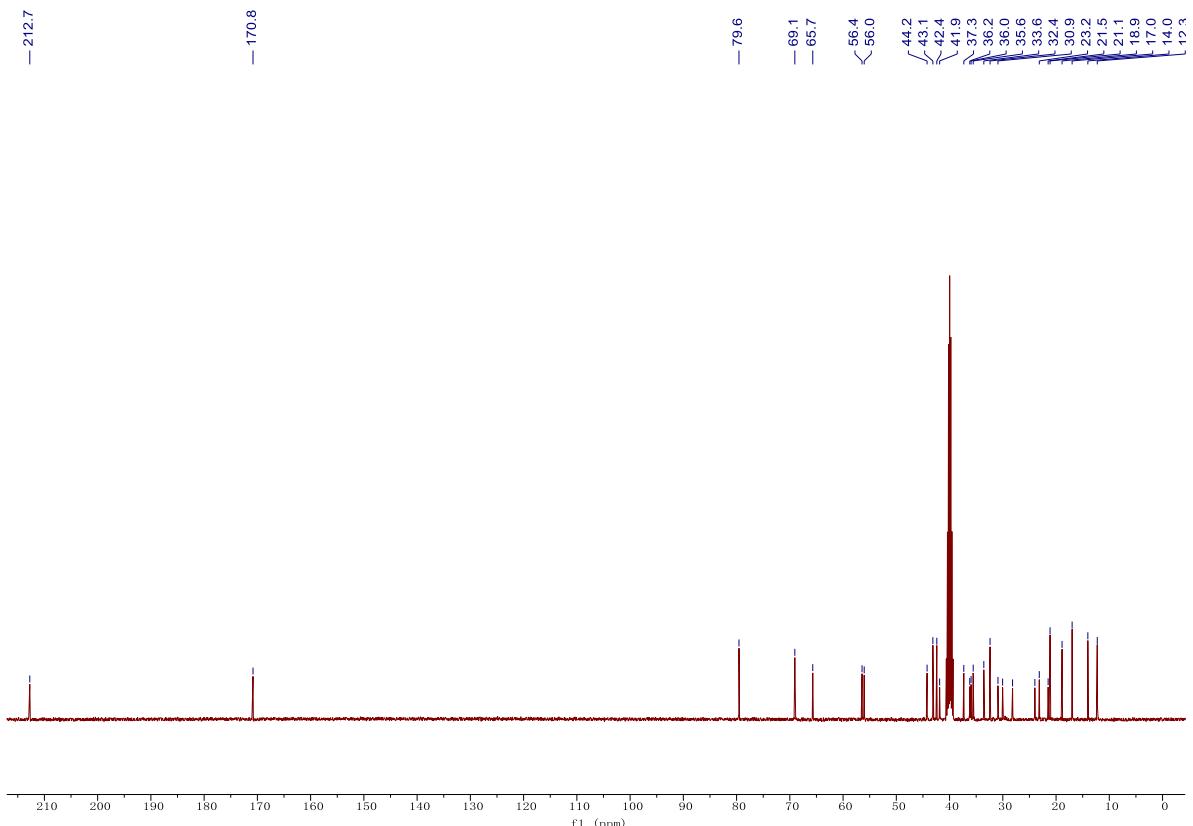
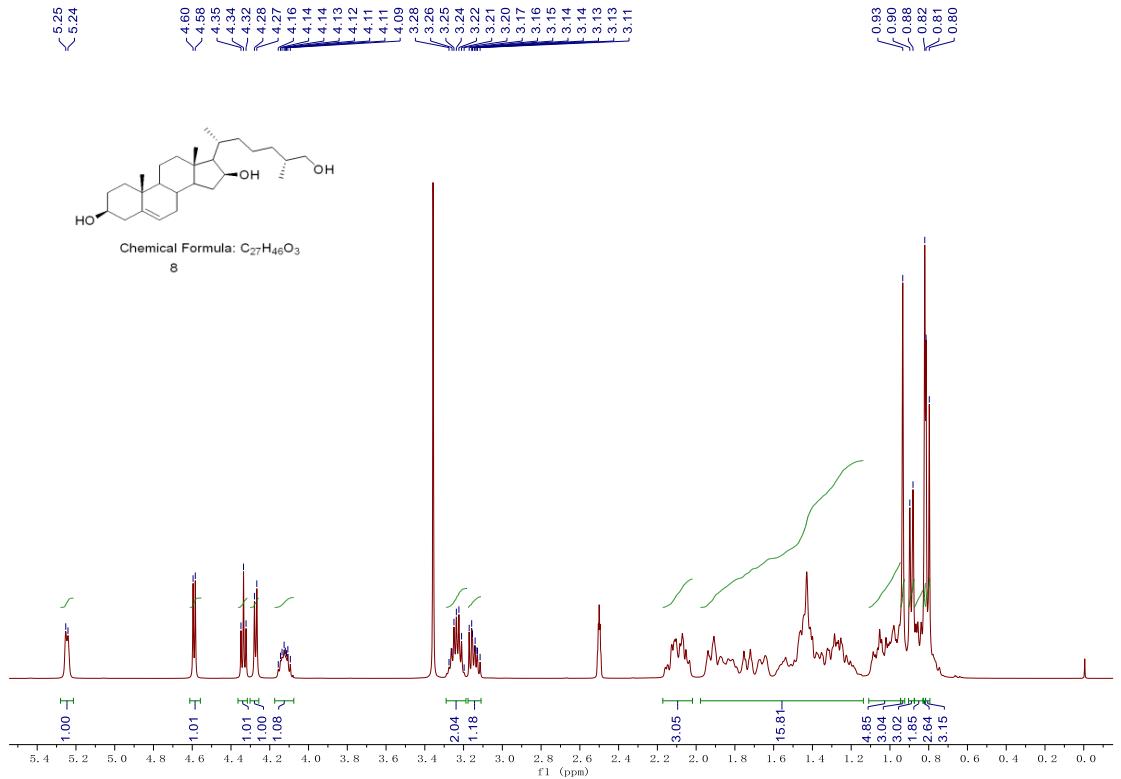
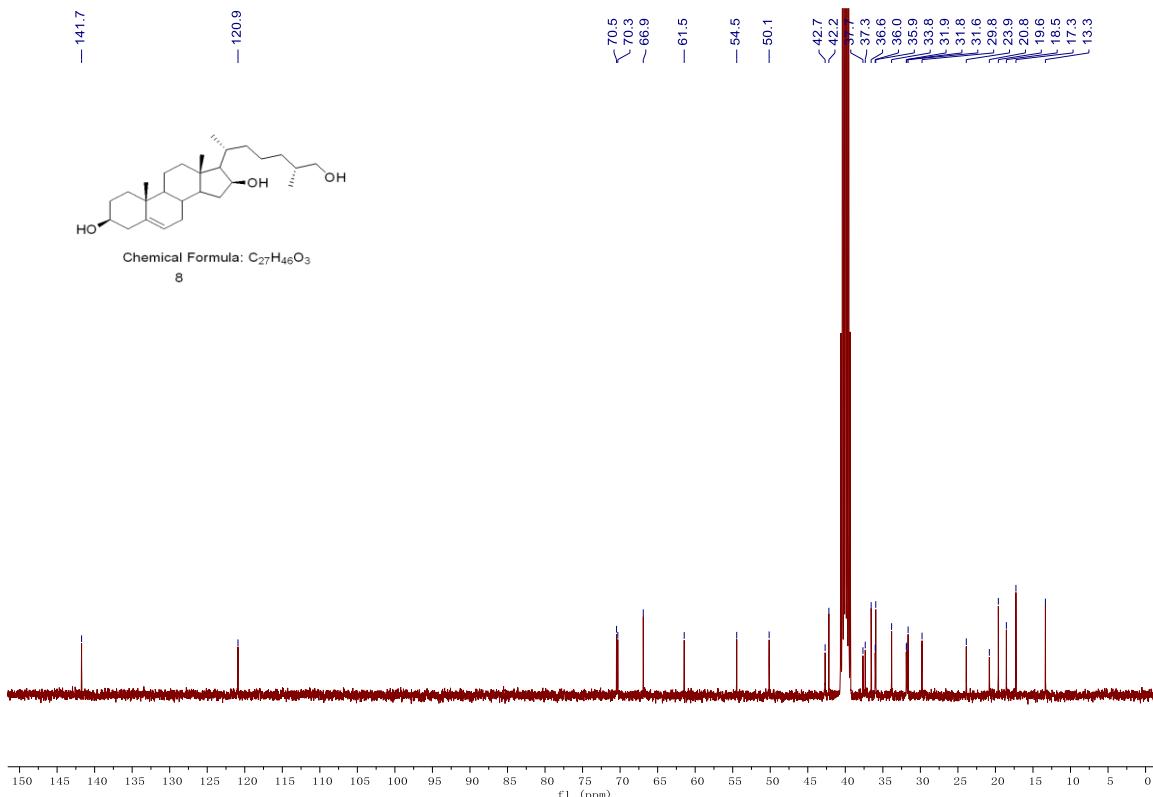


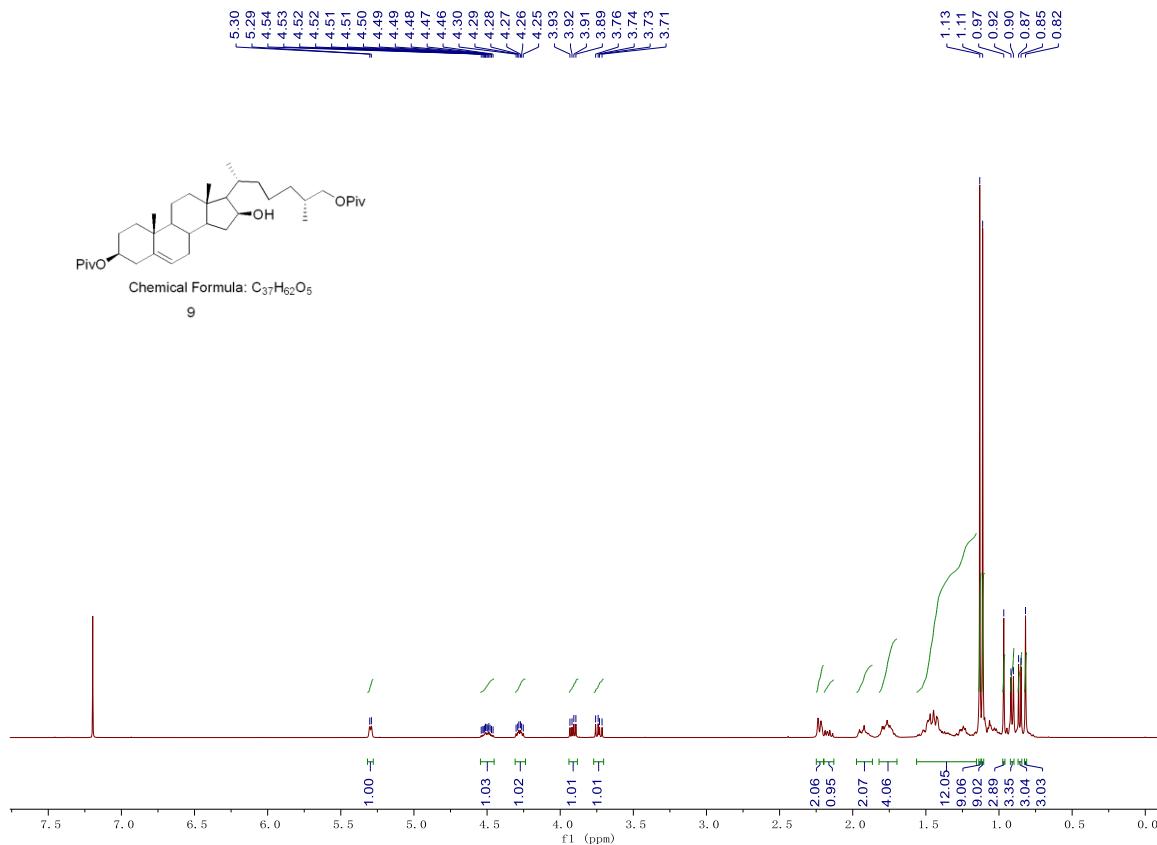
Figure S5. The copy of ^{13}C NMR spectrum (101 MHz, $\text{DMSO}-d_6$) of (25*R*)-5.



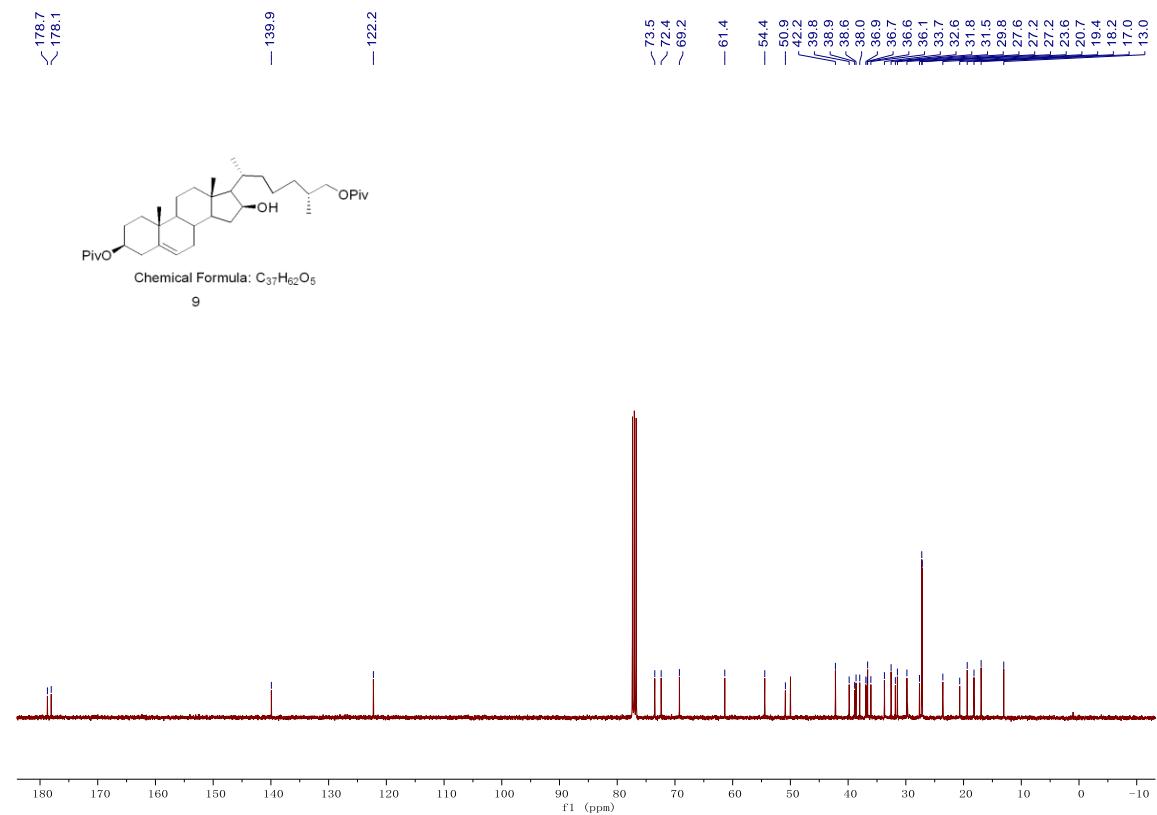
¹H NMR spectrum (400 MHz, DMSO-*d*₆) of compound 8.



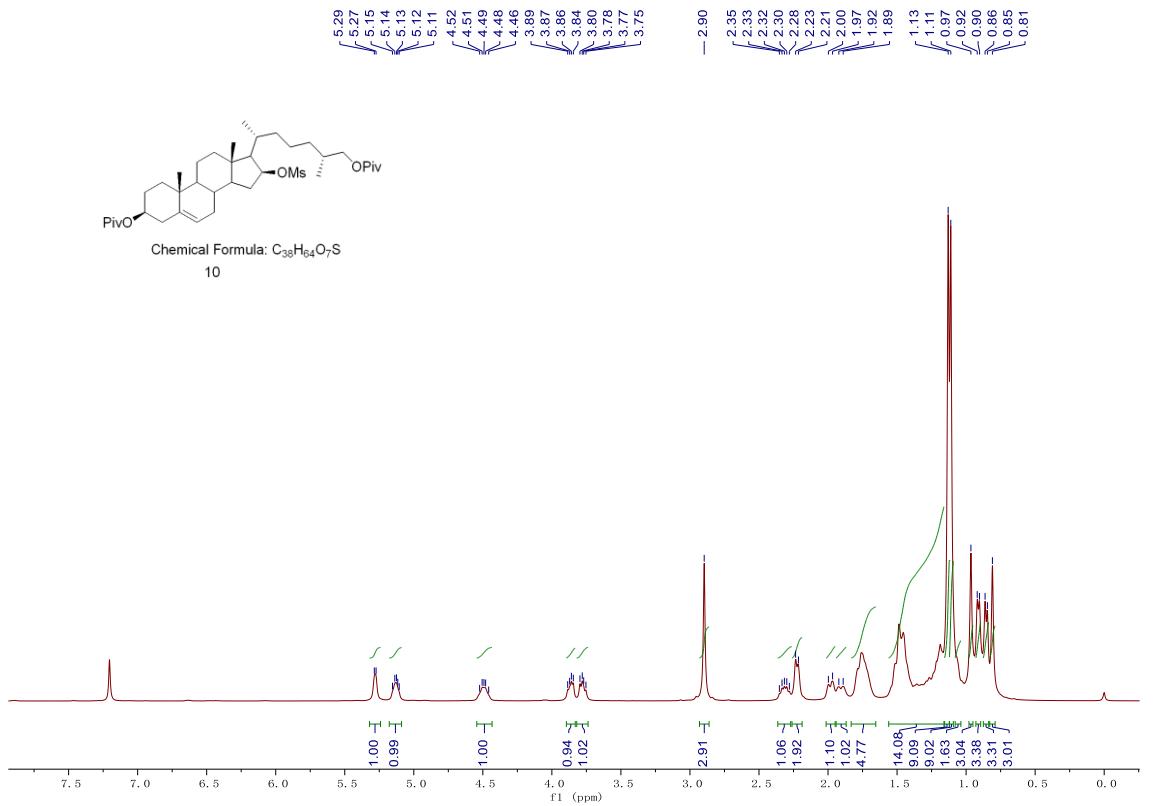
¹³C NMR spectrum (101 MHz, DMSO-*d*₆) of compound 8.



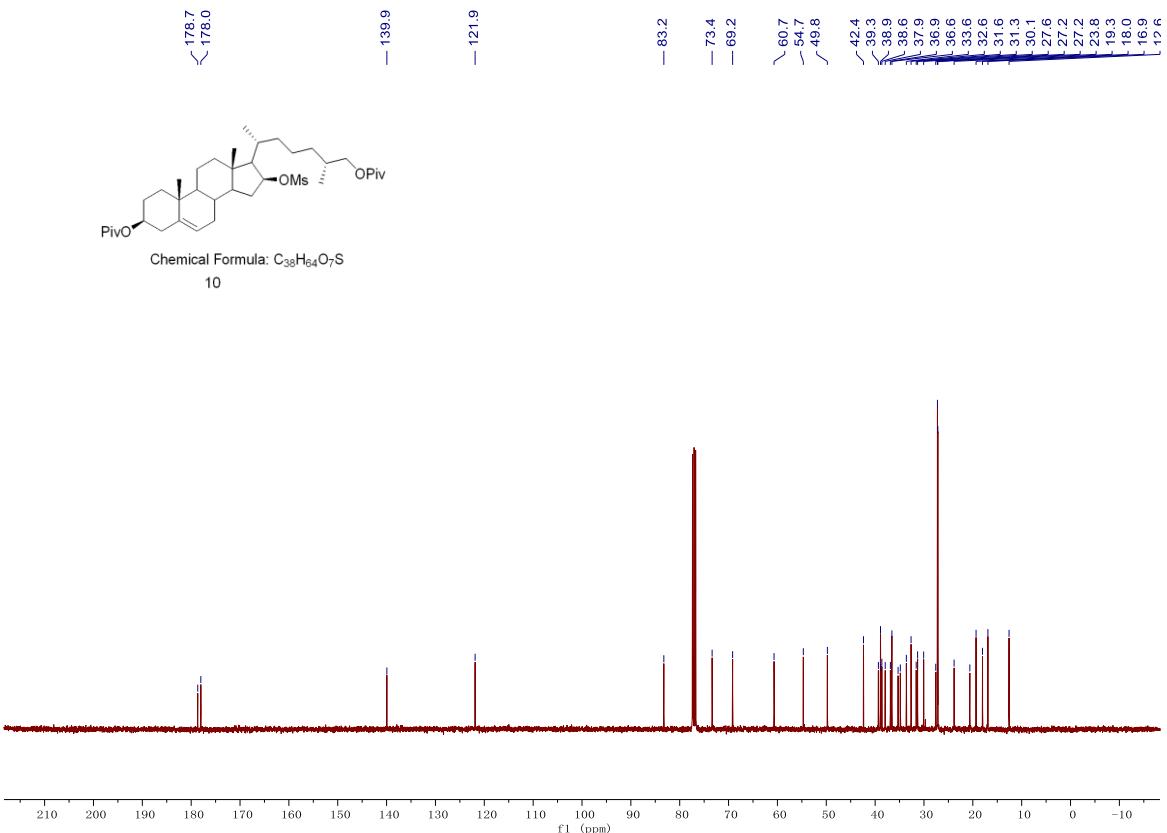
¹H NMR spectrum (400 MHz, CDCl₃) of compound 9.



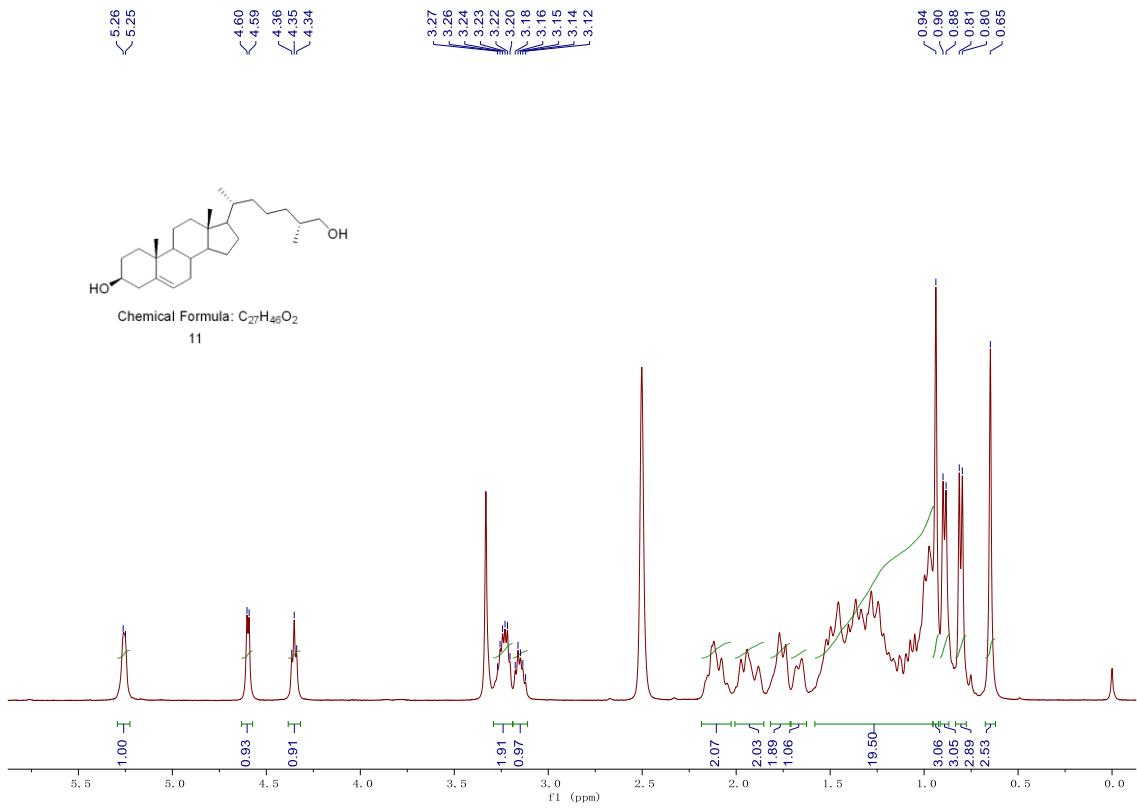
¹³C NMR spectrum (101 MHz, CDCl₃) of compound 9.



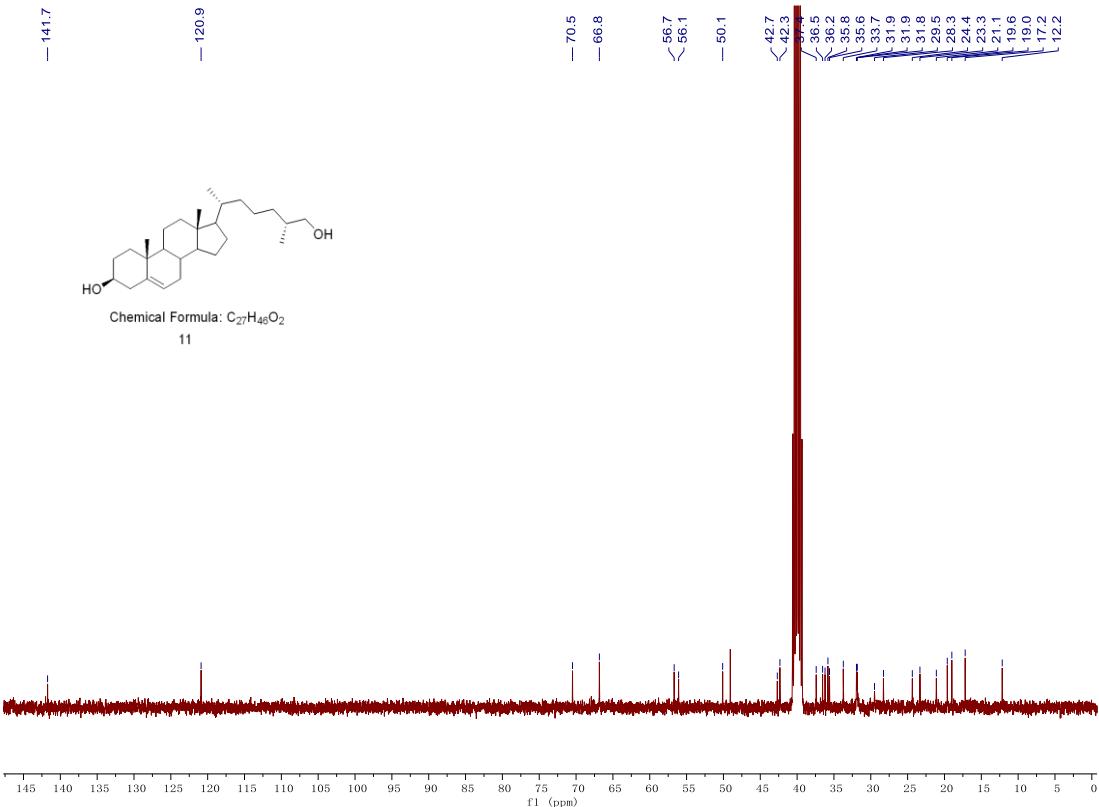
¹H NMR spectrum (400 MHz, CDCl₃) of compound 10.



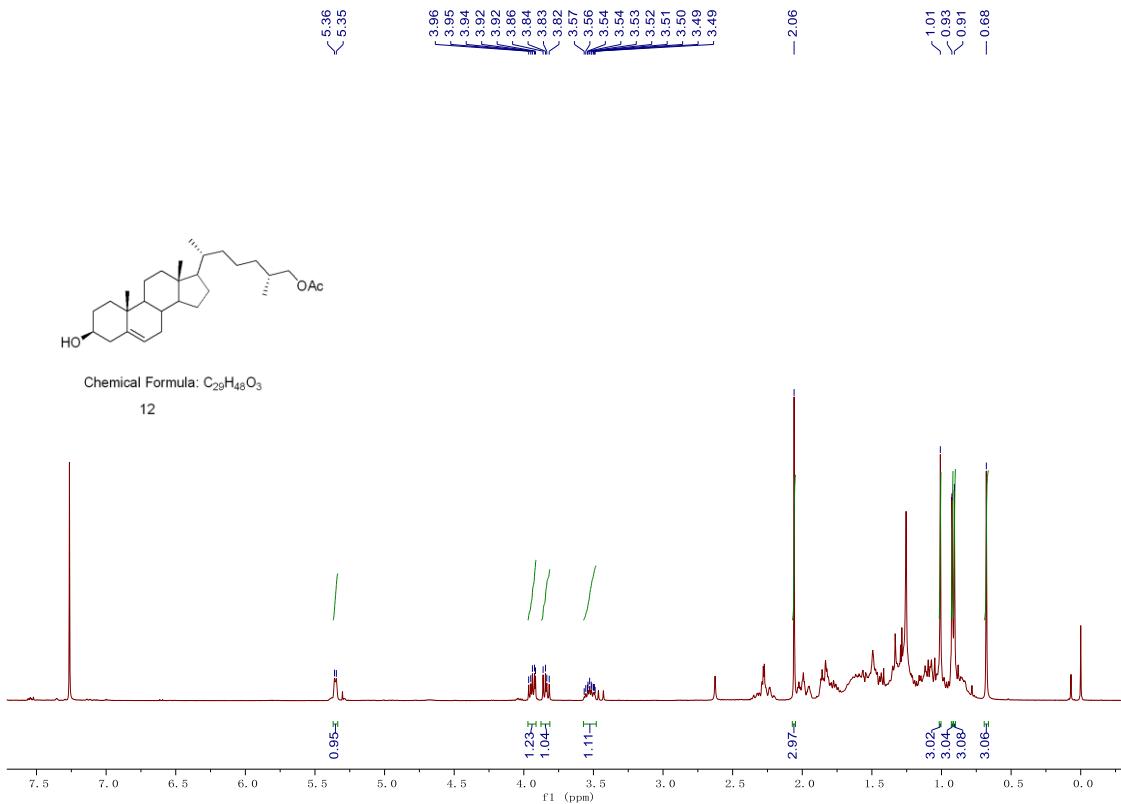
¹³C NMR spectrum (101 MHz, CDCl₃) of compound 10.



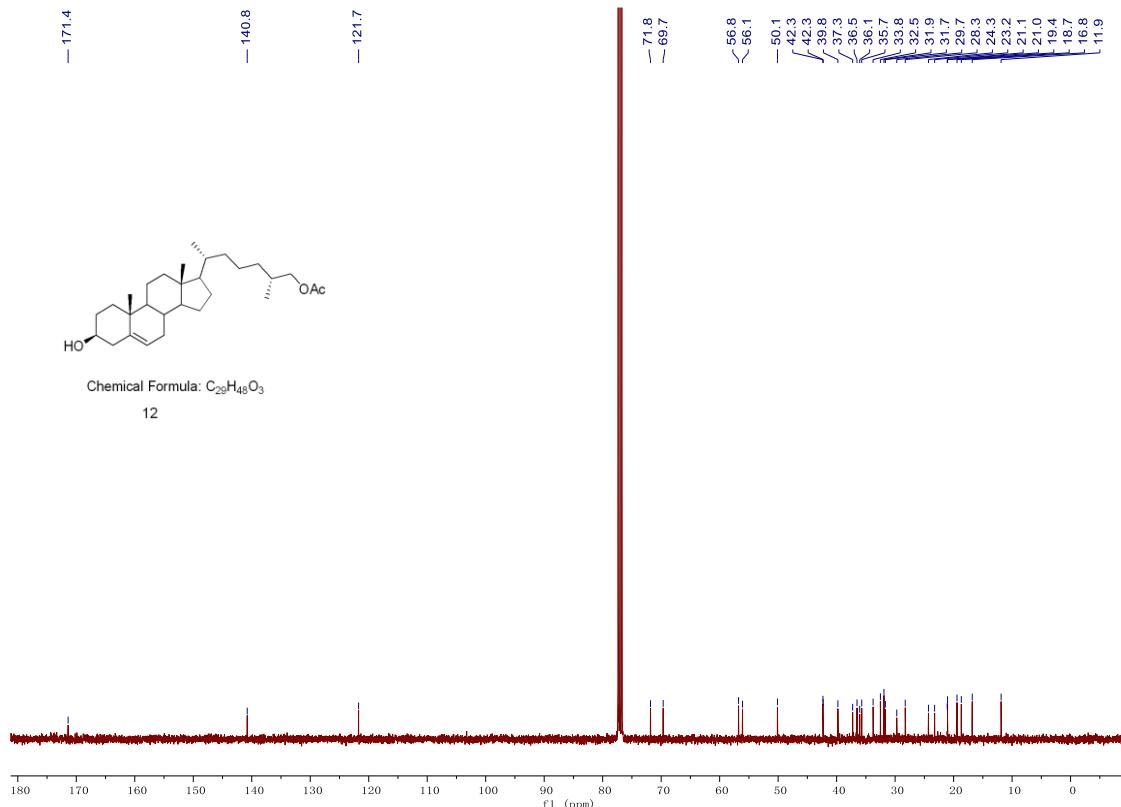
¹H NMR spectrum (400 MHz, DMSO-d₆) of compound 11.



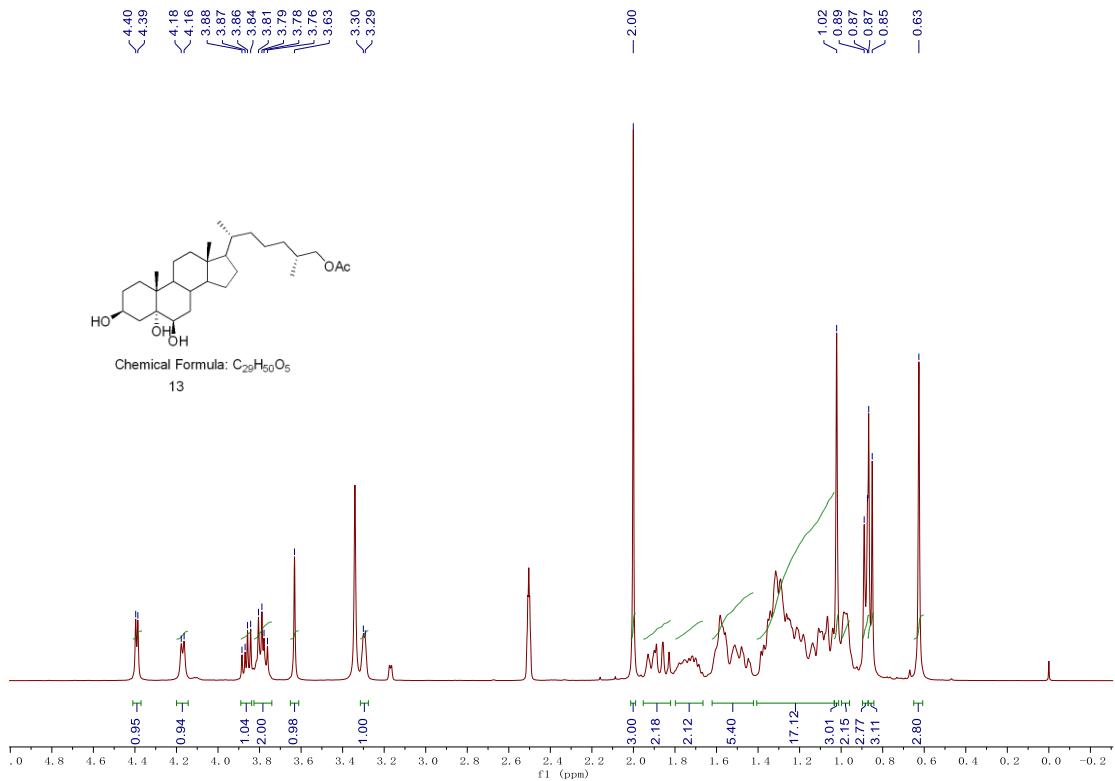
¹³C NMR spectrum (101 MHz, DMSO-d₆) of compound 11.



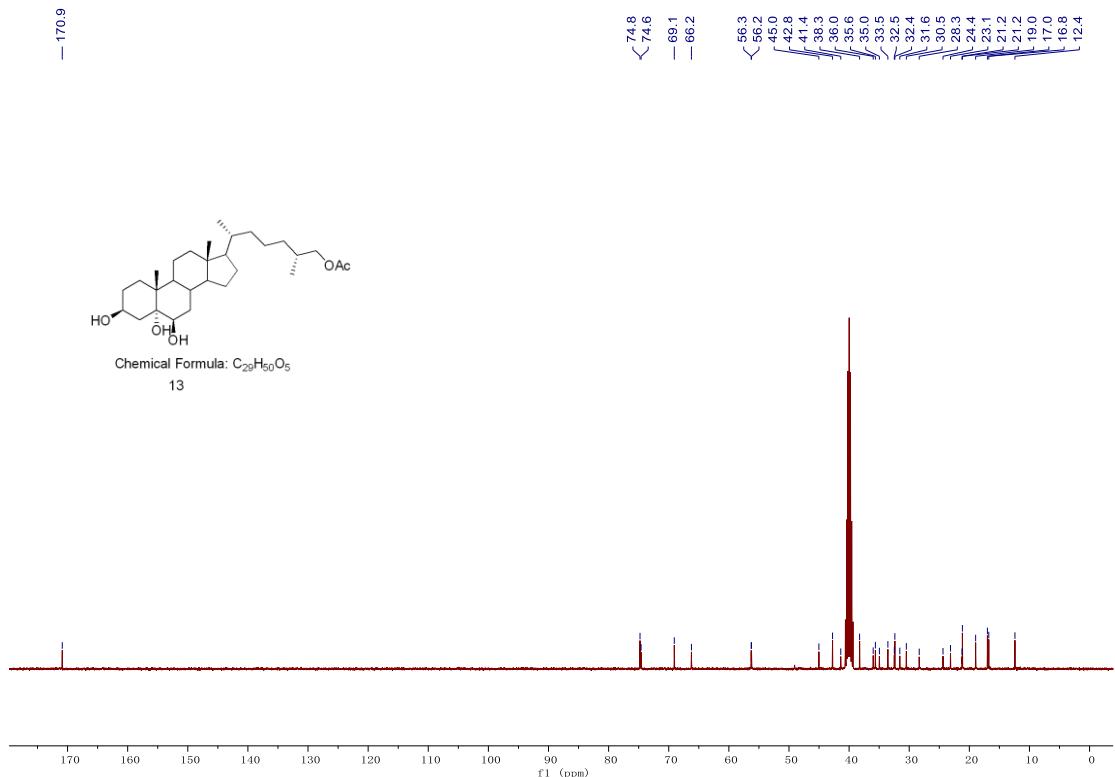
¹H NMR spectrum (400 MHz, CDCl₃) of compound 12.



¹³C NMR spectrum (101 MHz, CDCl₃) of compound 12.

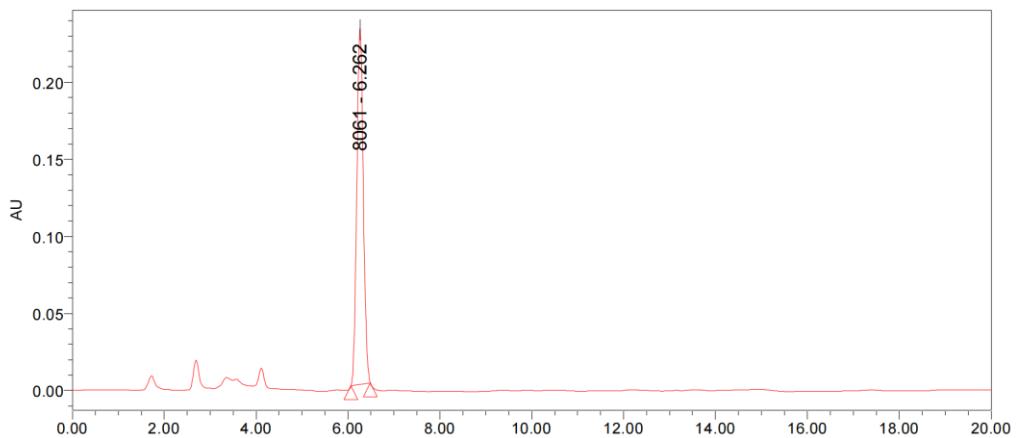


¹H NMR spectrum (400 MHz, DMSO-*d*₆) of compound 13.



¹³C NMR spectrum (101 MHz, DMSO-*d*₆) of compound 13.

(A)



(B)

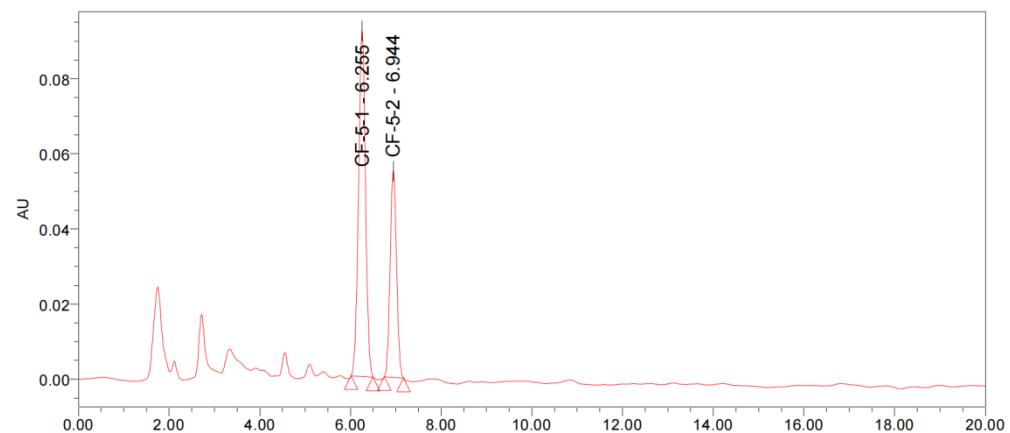


Figure S6. HPLC chromatograms of compounds $(25R)$ -5 and 5. (A) HPLC chromatogram of compound $(25R)$ -5. (B) HPLC chromatogram of compound 5.

