

Supplementary Material

Synthesis and characterization of dimeric steroids based on 5-oxo-4,5-seco-3-yne units linked by a diyne spacer

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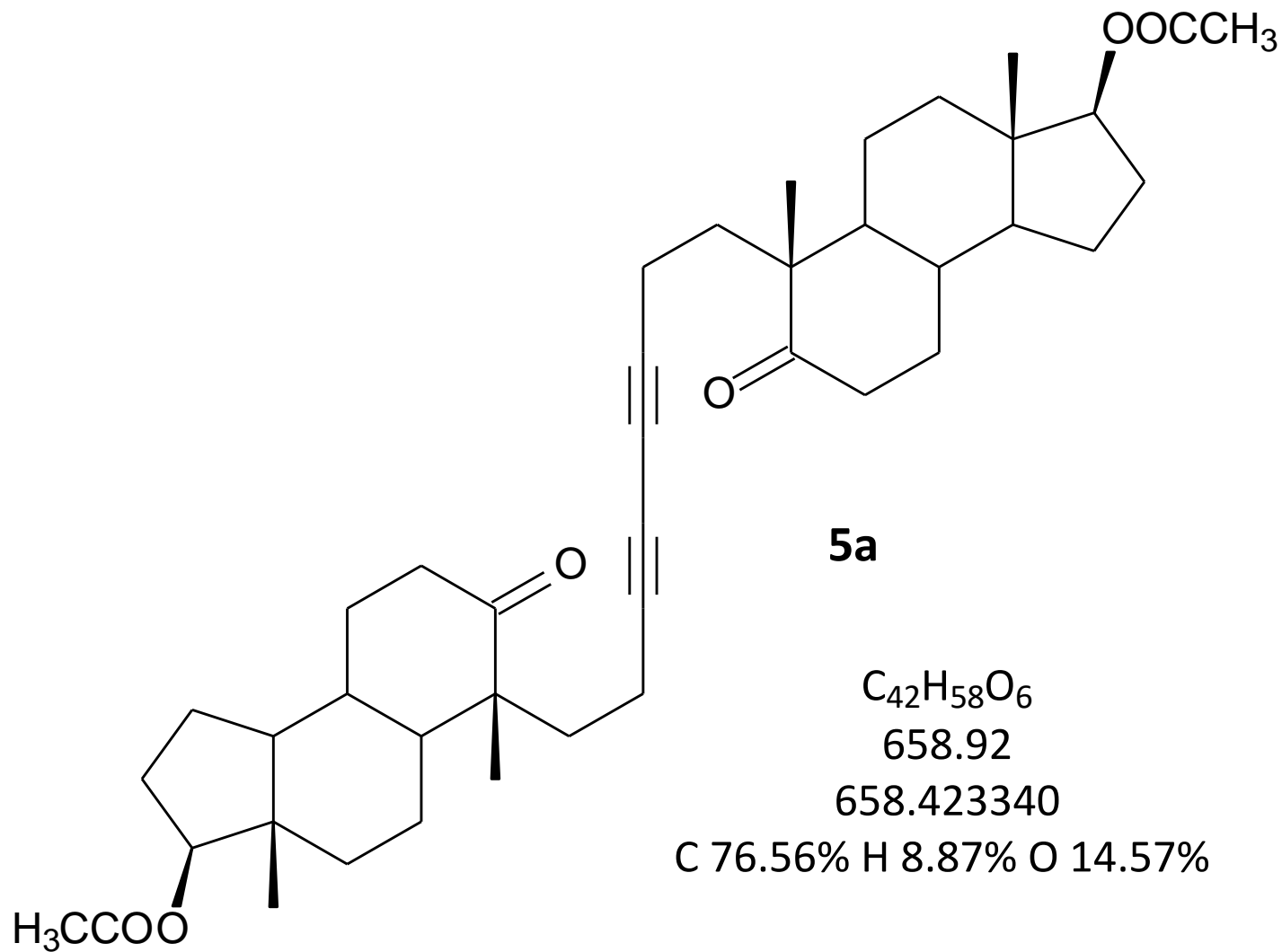
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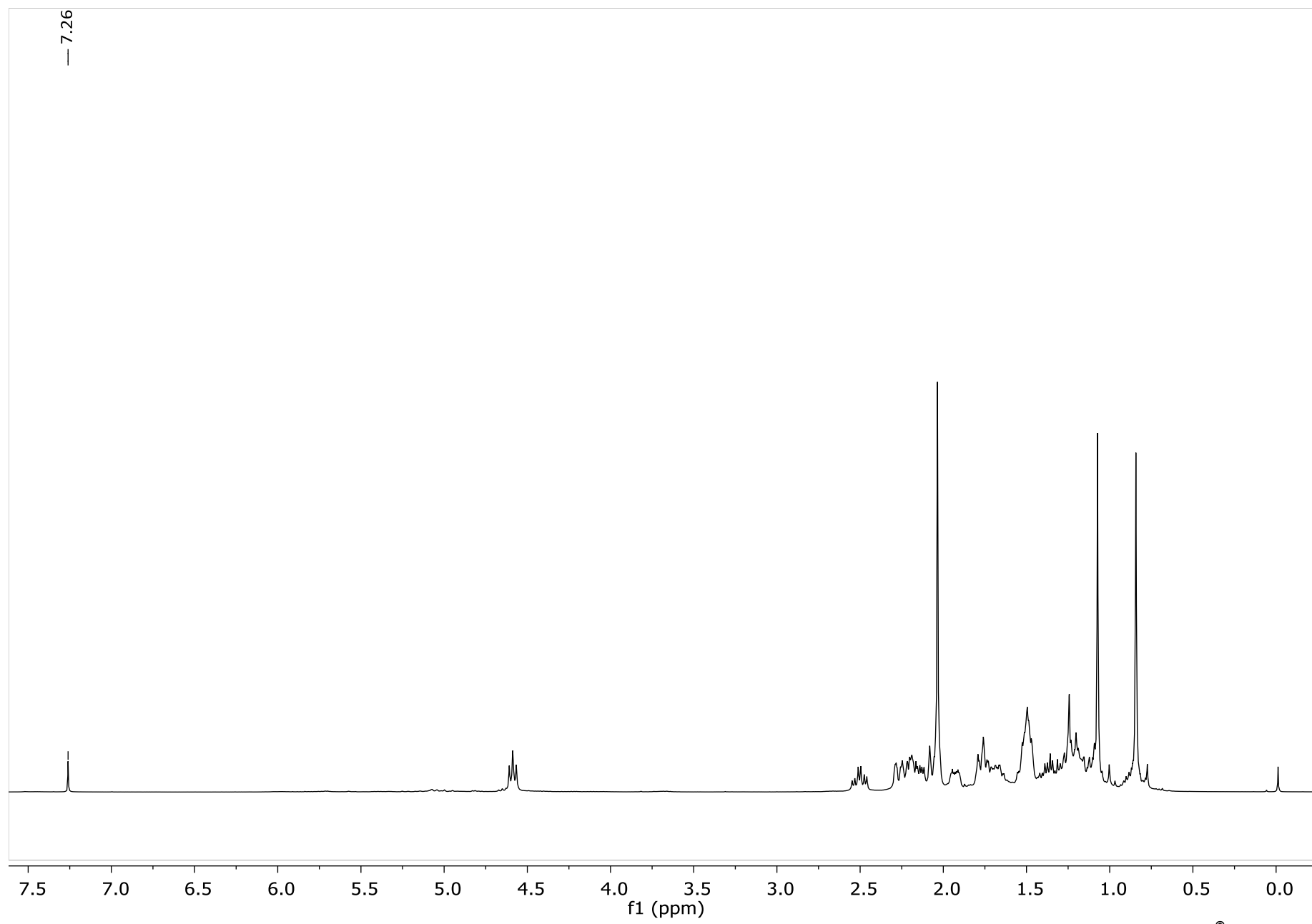
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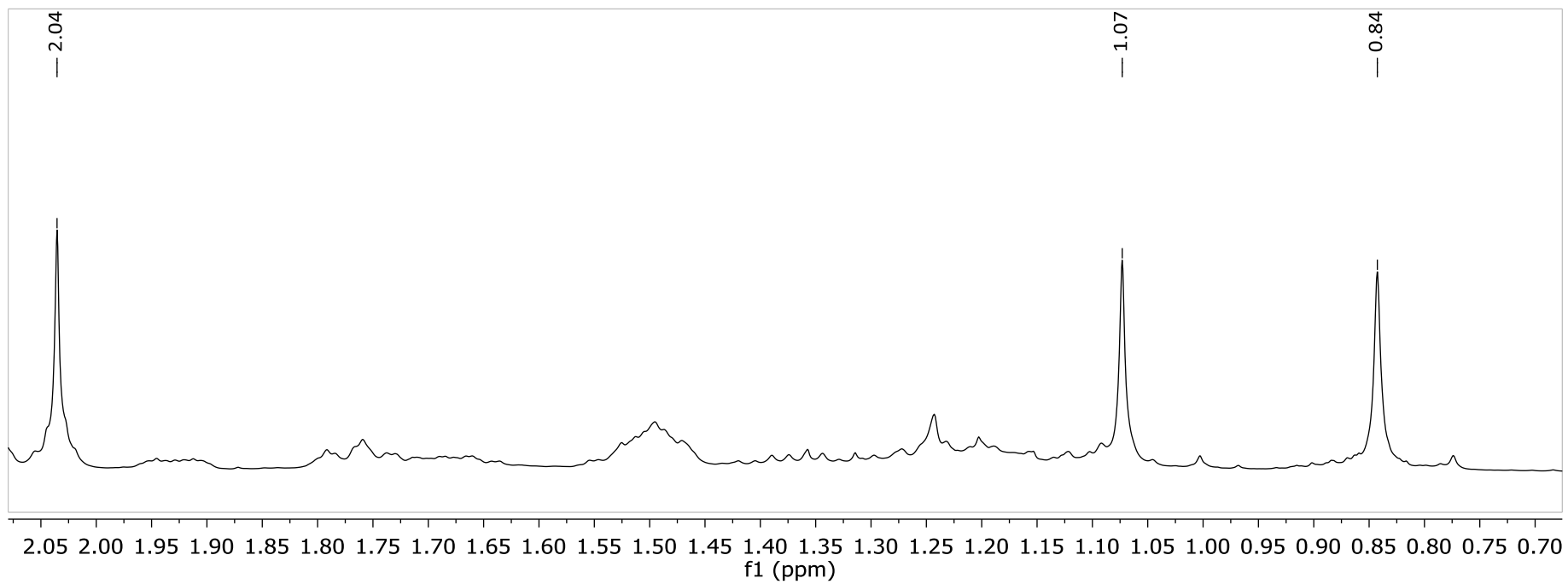
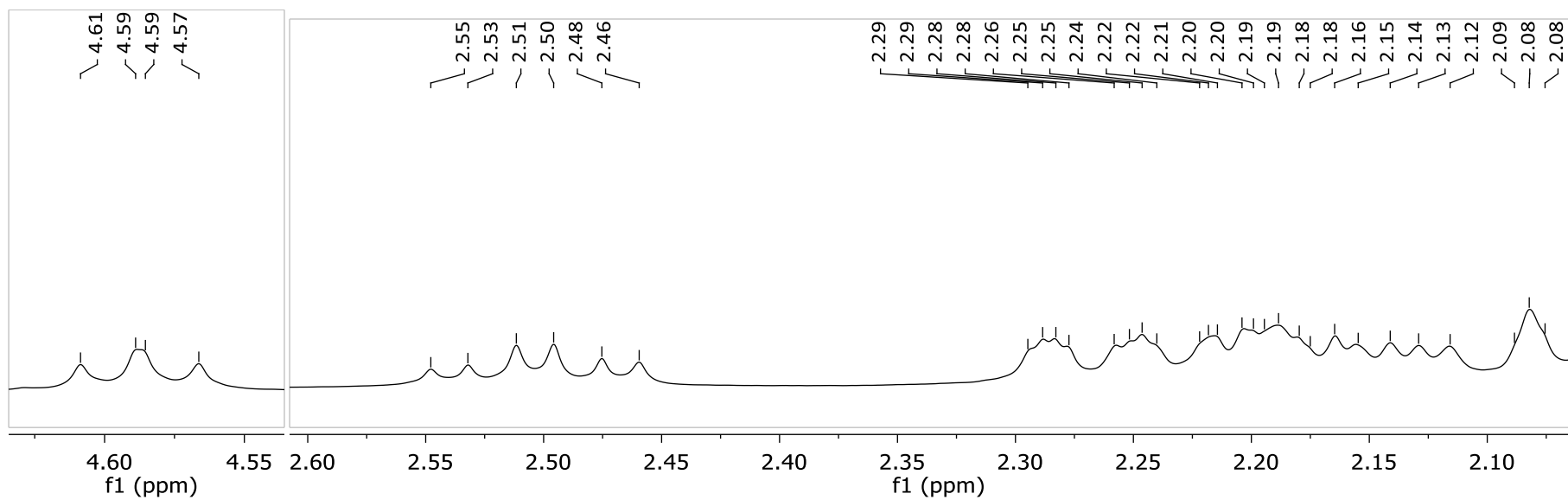
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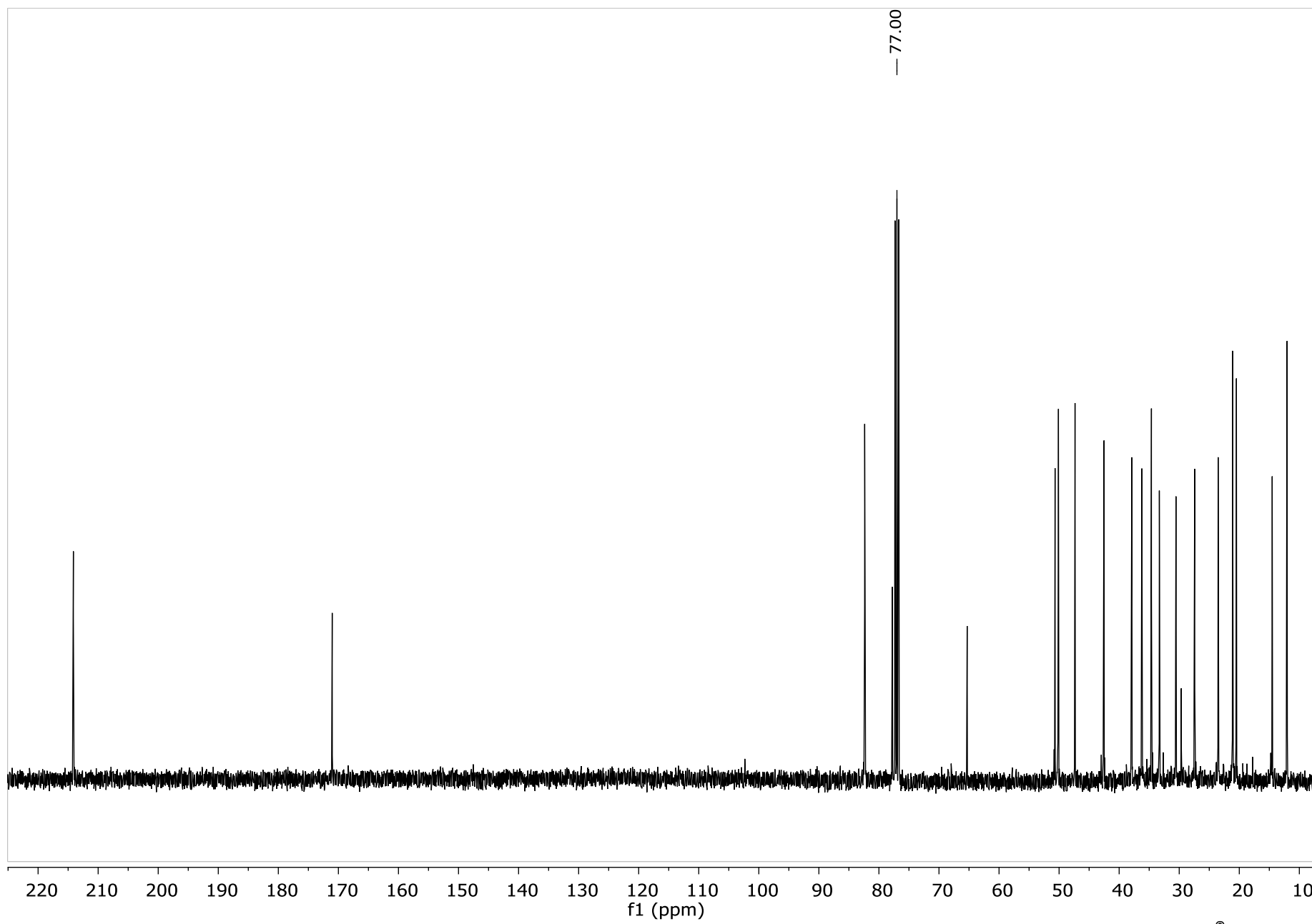
1. 4,4'-Bis(4,5-secoandrost-3-yn-5-one) (5a)	S2
2. ¹ H NMR	S3
3. ¹³ C NMR	S5
4. 4,4'-Bis(4,5-secocholest-3-yn-5-one) (5b)	S7
5. ¹ H NMR	S8
6. ¹³ C NMR	S10

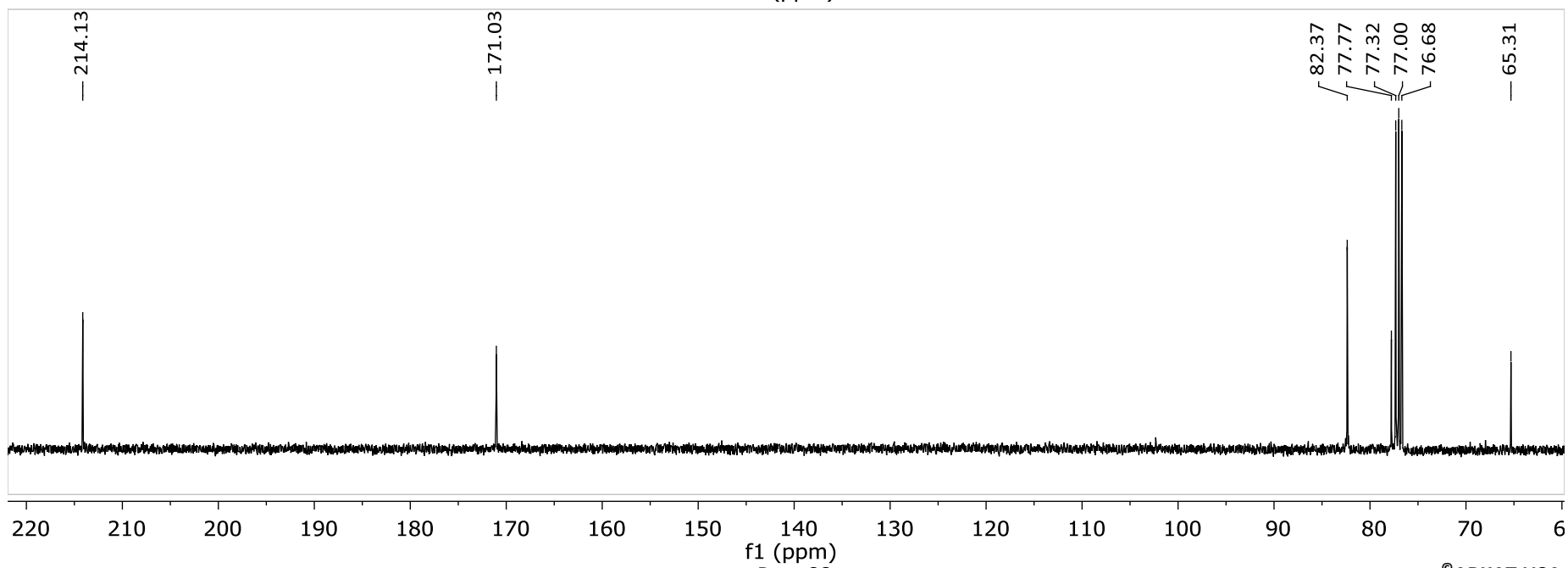
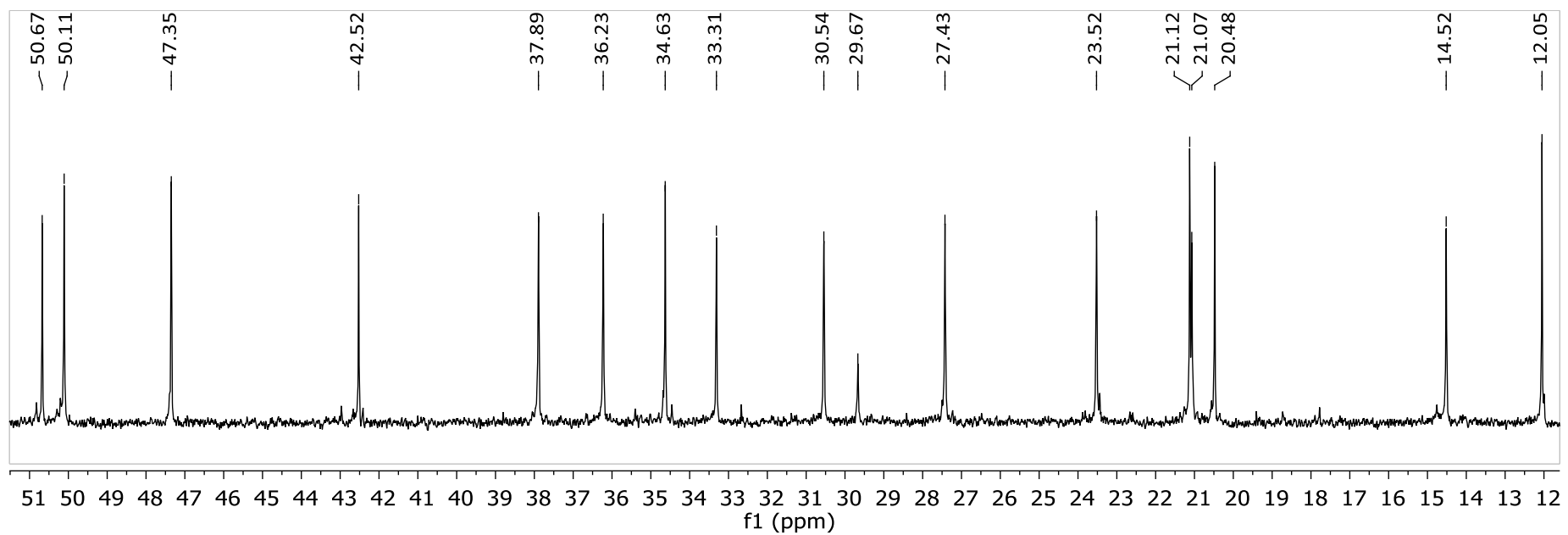


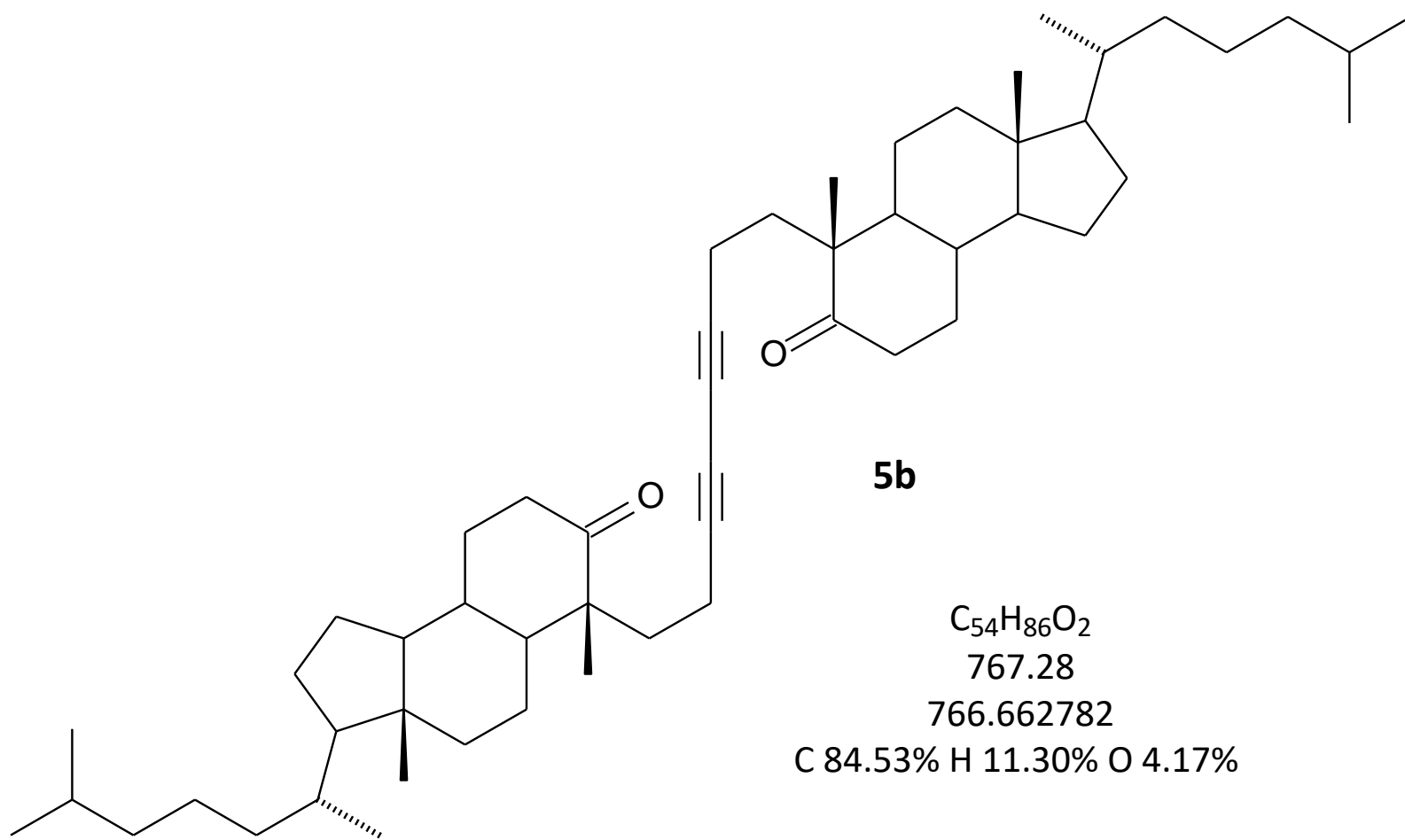
4,4'-Bis(4,5-secoandrosta-3-en-5-one)







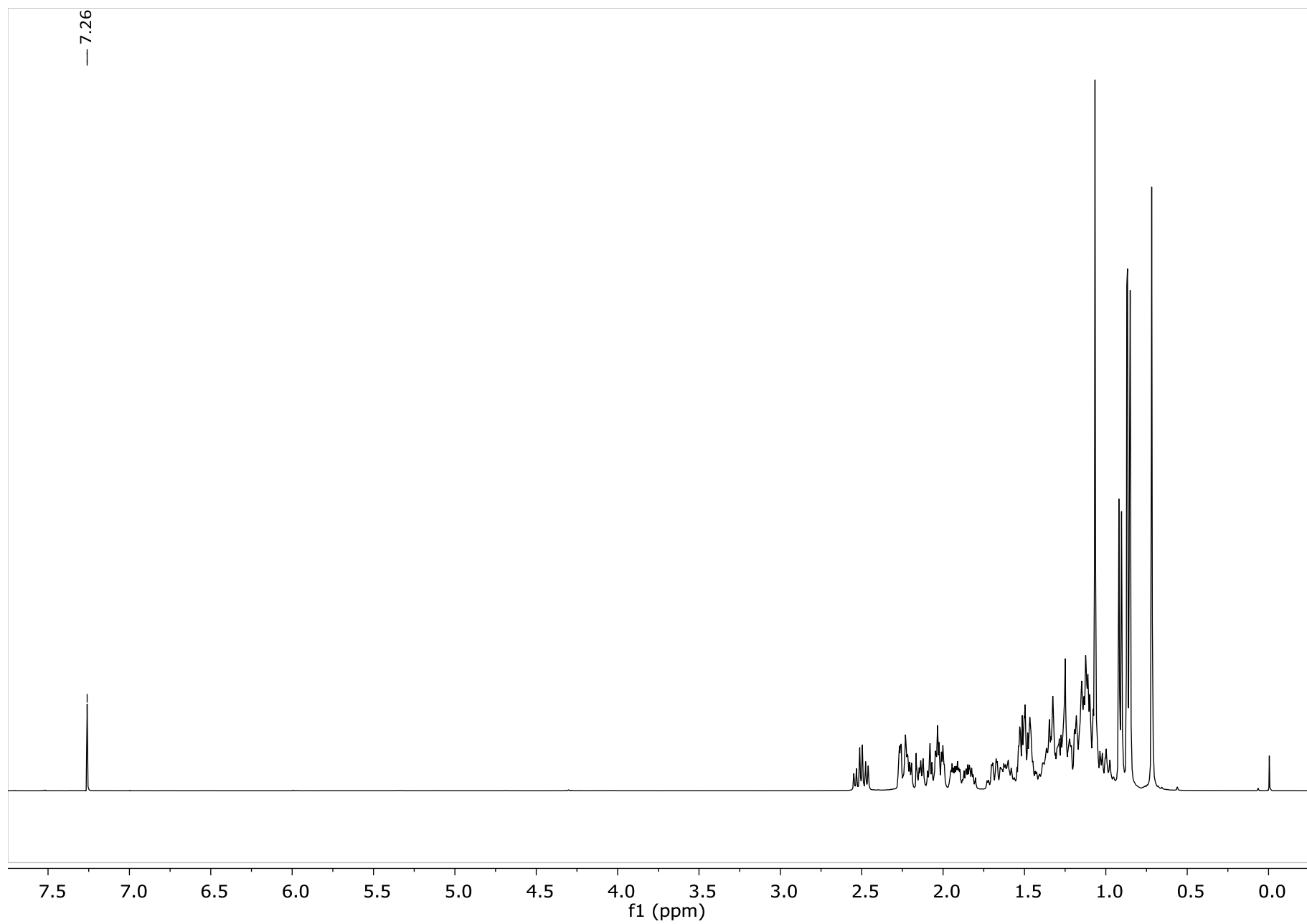


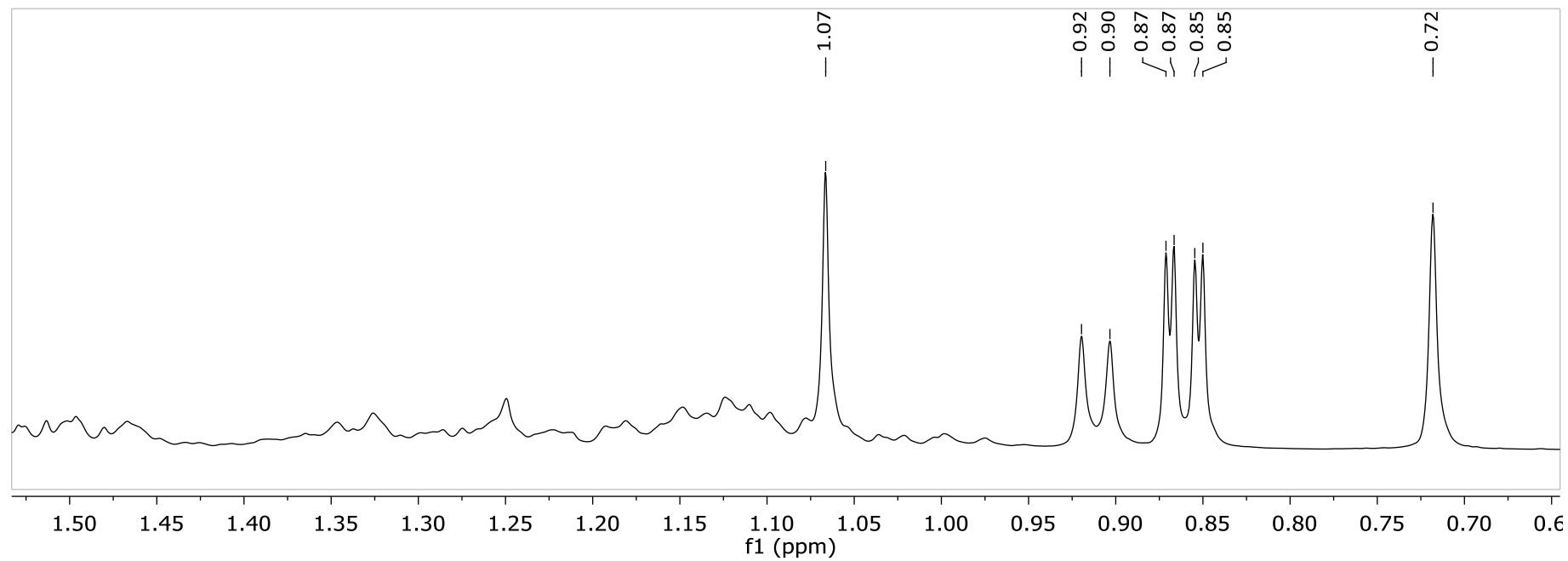
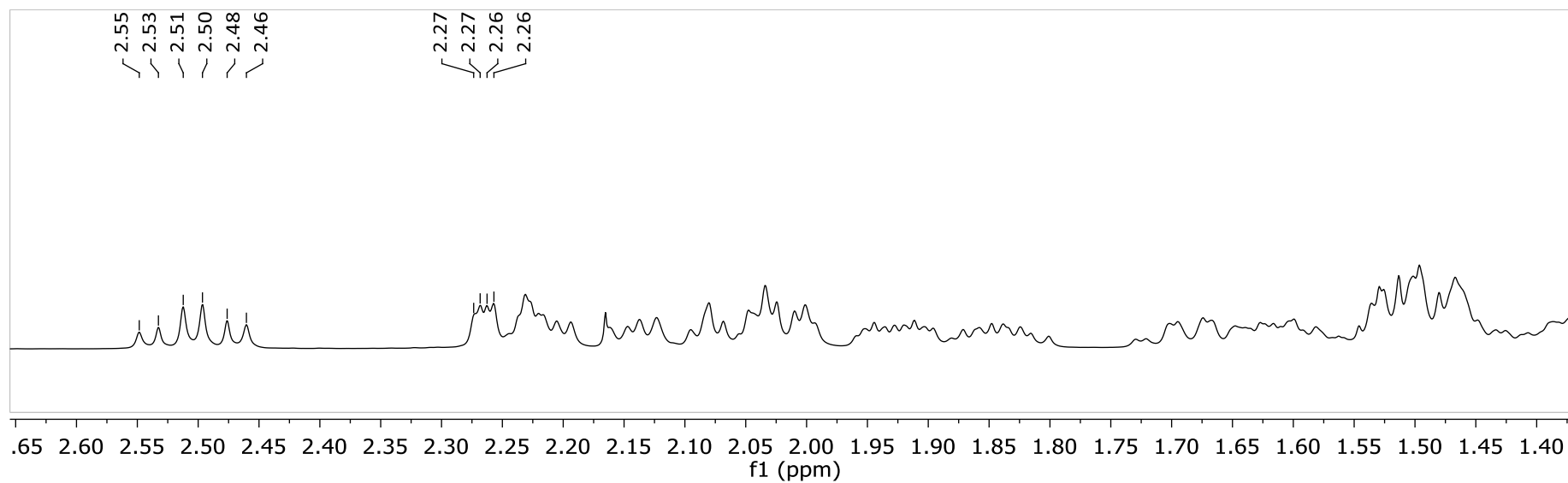


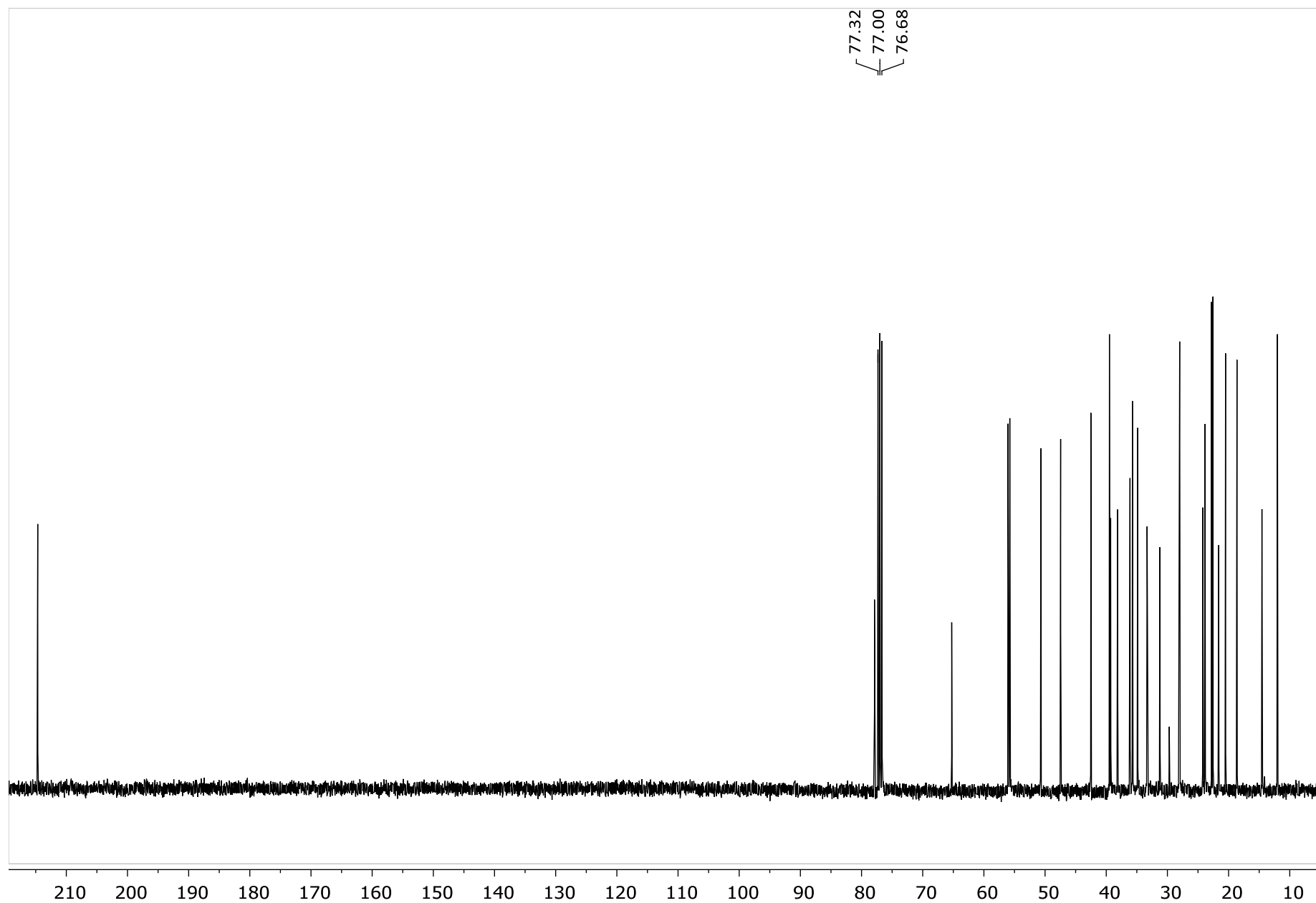
5b

$C_{54}H_{86}O_2$
767.28
766.662782
C 84.53% H 11.30% O 4.17%

4,4'-Bis(4,5-secocholest-3-yn-5-one)







f1 (ppm)
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