

Supplementary Data:

A concise synthesis of β -sitosterol and other phytosterols

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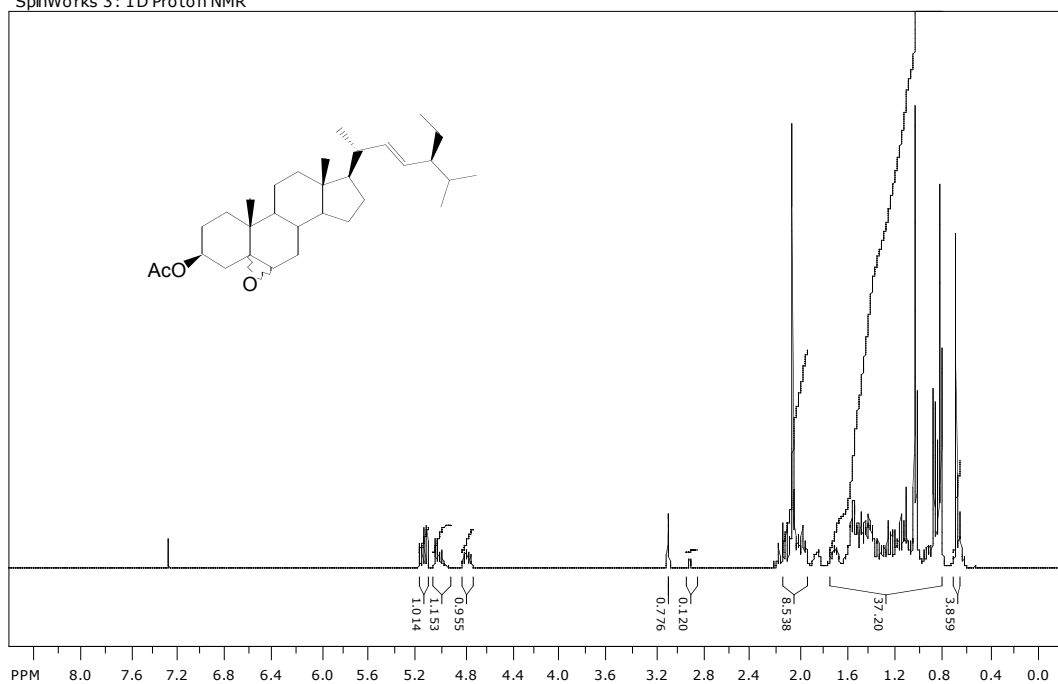
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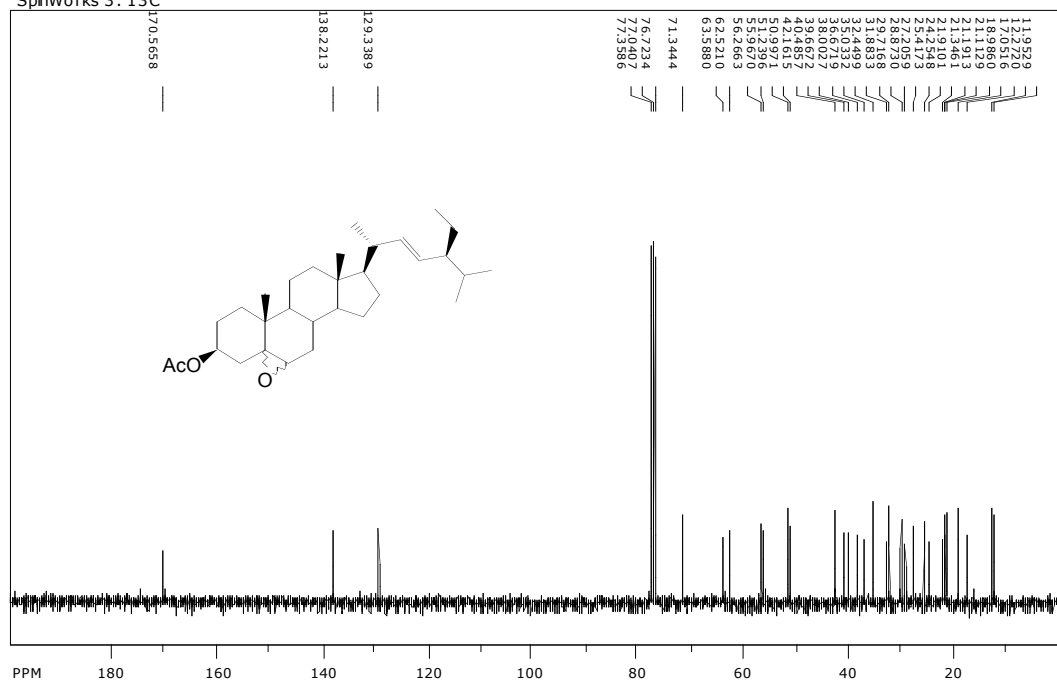
Table of Contents:

6ab (¹ H)	2
6ab (¹³ C)	2
7ab (¹ H)	3
7ab (¹³ C)	3
4 (¹ H)	4
4 (¹³ C)	4
3 (¹ H)	5
3 (¹³ C)	5
9 (¹ H)	6
9 (¹³ C)	6
10 (¹ H)	7
10 (¹³ C)	7
11ab (¹ H)	8
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13ab (¹ H)	10
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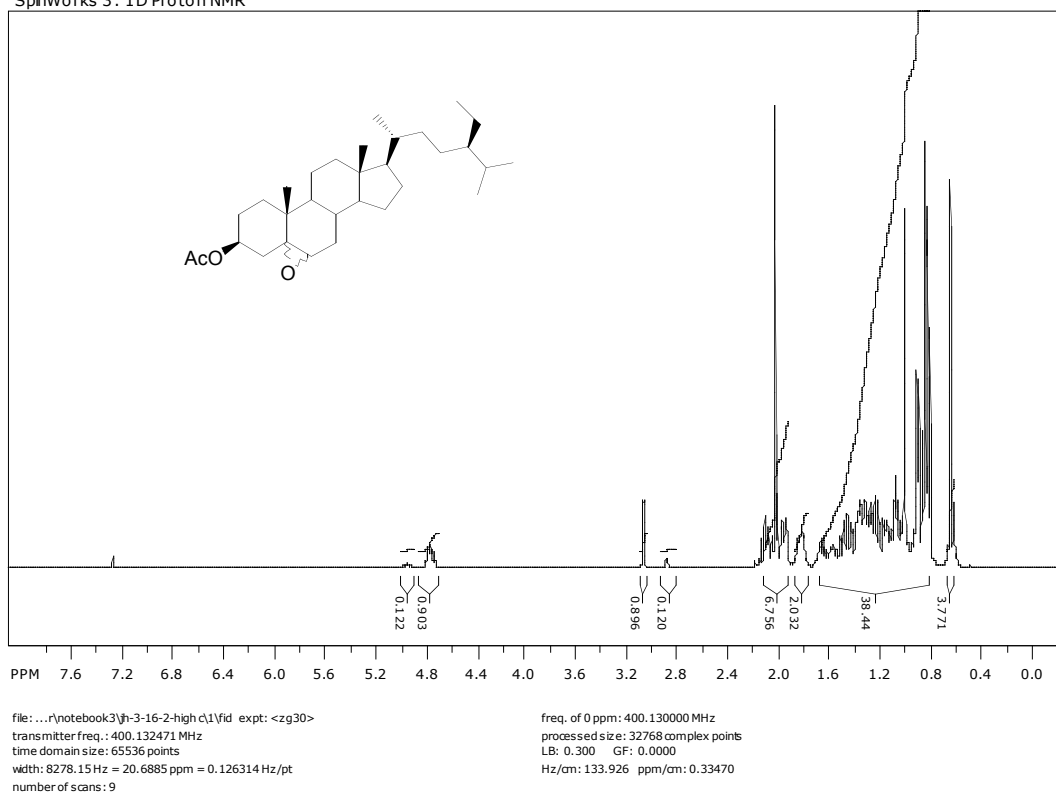
SpinWorks 3: 1D Proton NMR



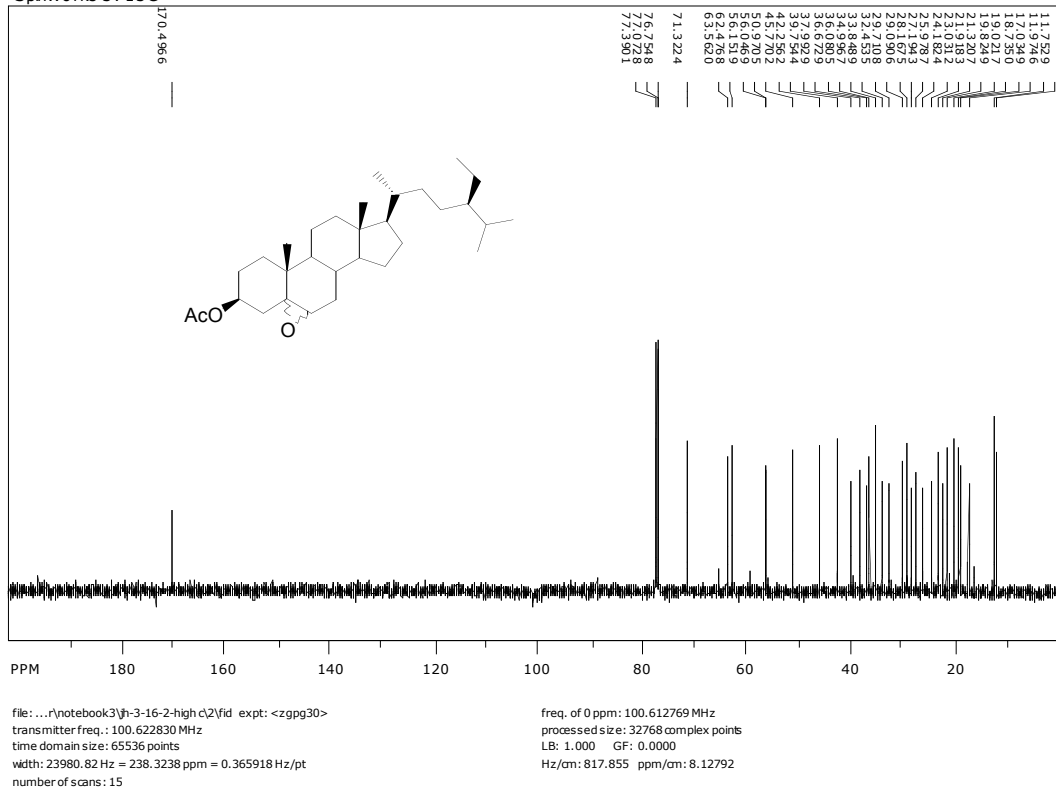
SpinWorks 3: 13C

 ^1H and ^{13}C of 6ab

SphWorks 3: 1D Proton NMR

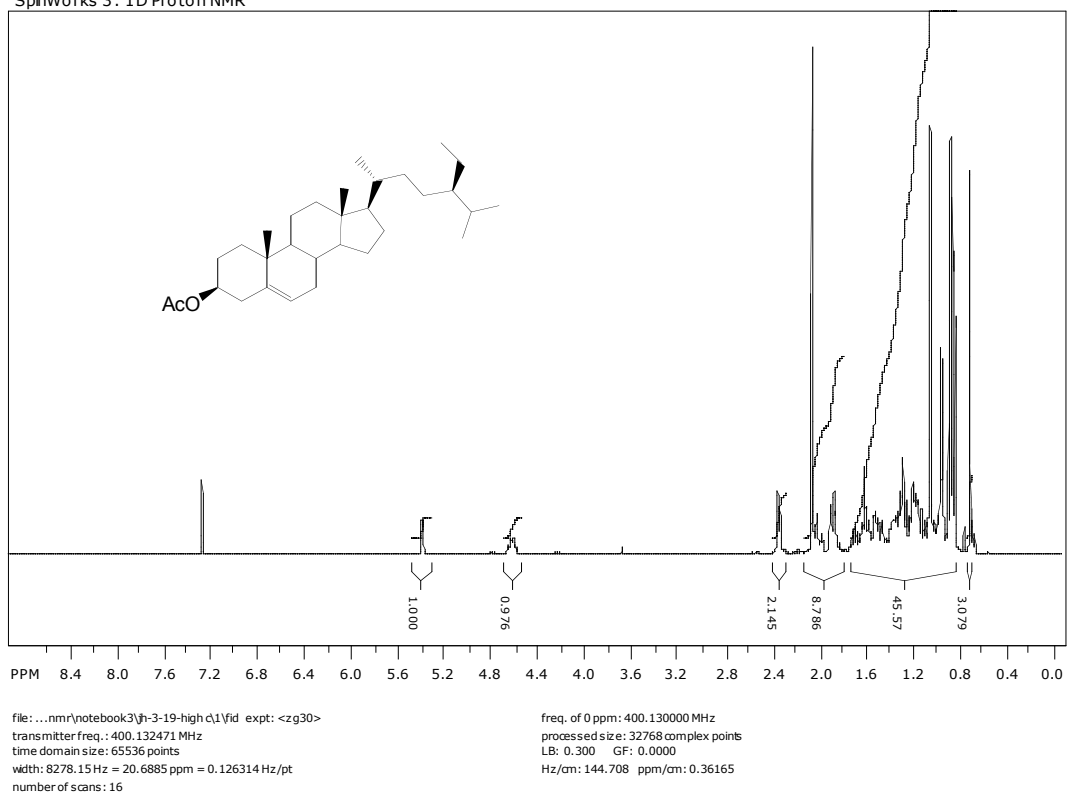


SphWorks 3: 13C

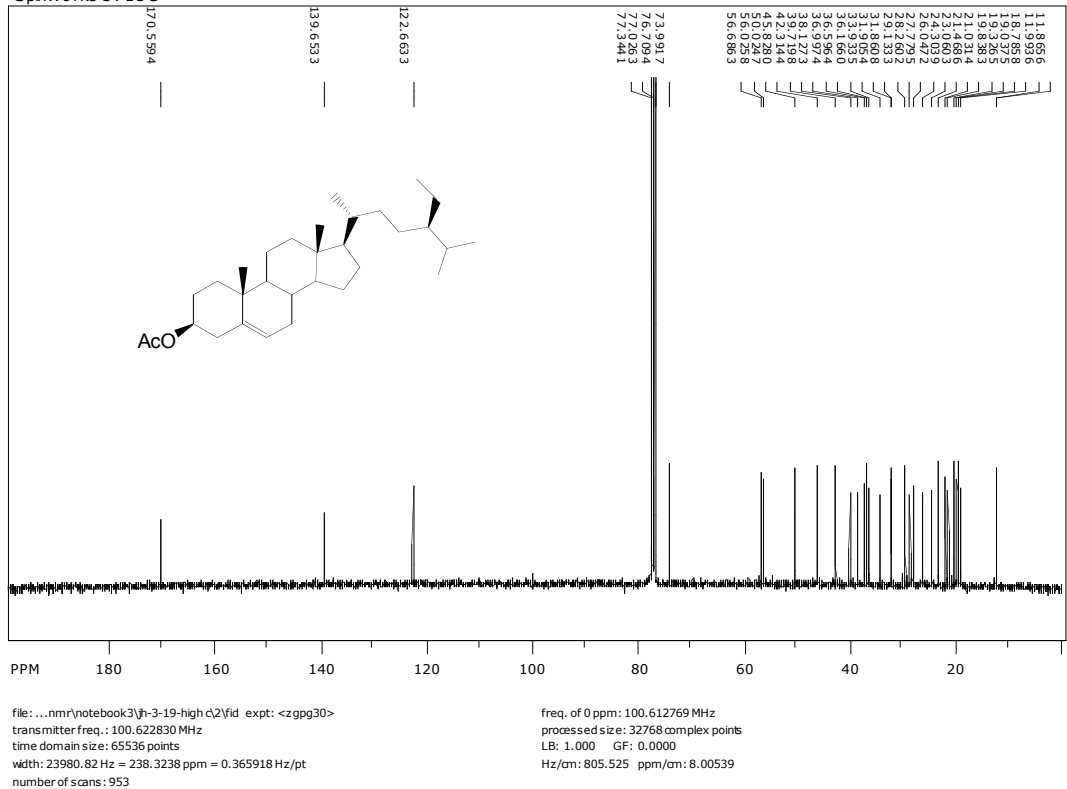


¹H and ¹³C of 7ab

SphWorks 3: 1D Proton NMR

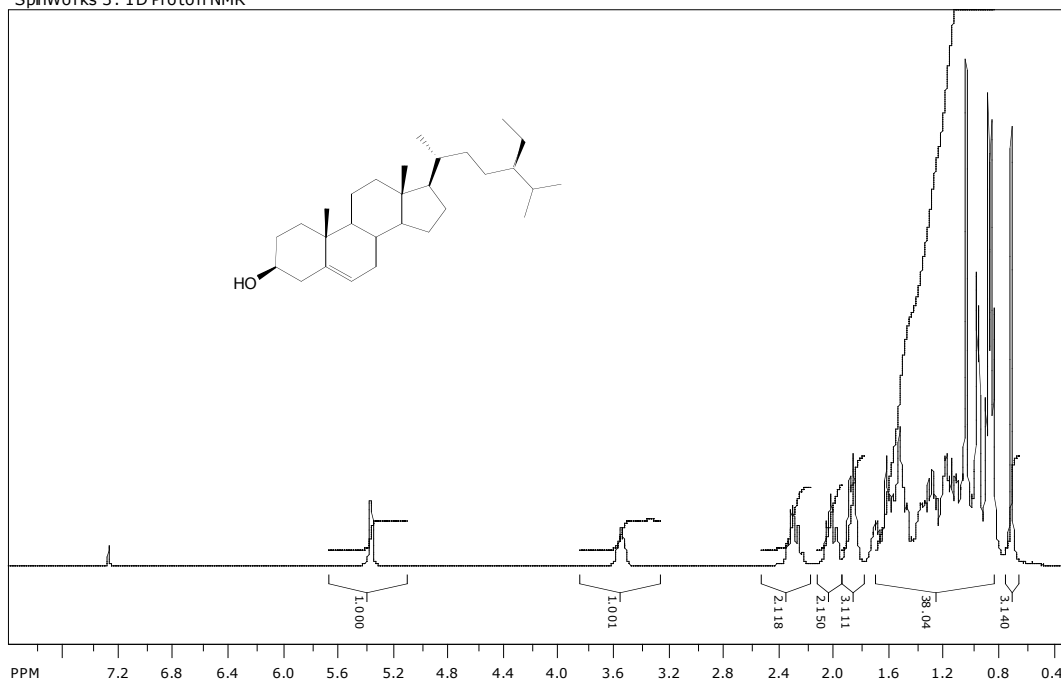


SphWorks 3: 13C



¹H and ¹³C of beta-sitosterol acetate (4)

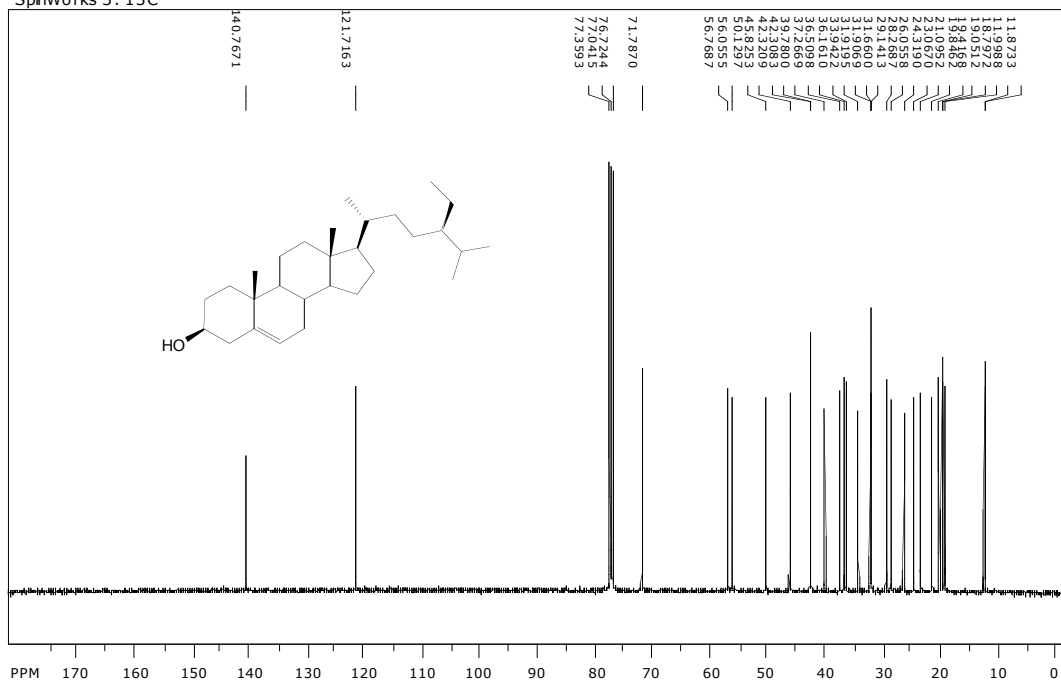
SphWorks 3: 1D Proton NMR



file: ...nmr\notebook3\jh-3-20-high.c1\fid expt: <zg30>
 transmitter freq.: 400.132471 MHz
 time domain size: 65536 points
 width: 8278.15 Hz = 20.6885 ppm = 0.126314 Hz/pt
 number of scans: 16

freq. of 0 ppm: 400.130000 MHz
 processed size: 32768 complex points
 LB: 0.300 GF: 0.0000
 Hz/cm: 123.167 ppm/cm: 0.30782

SphWorks 3: 13C

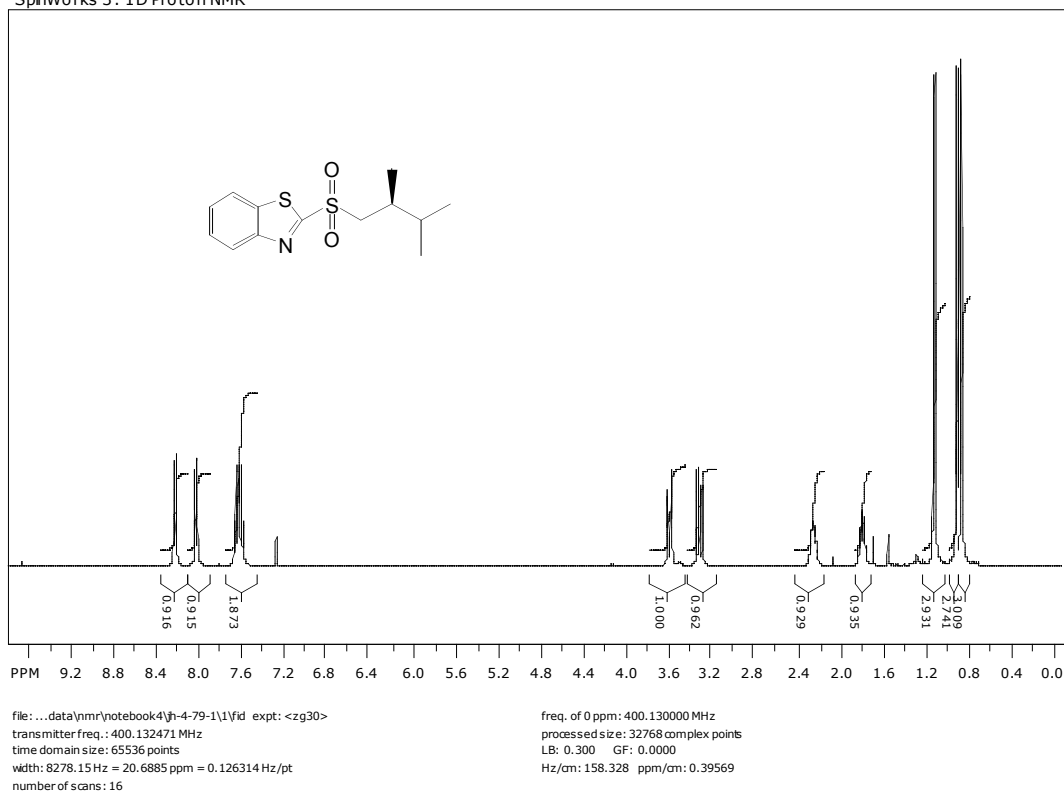


file: ...ata\nmr\notebook3\jh-3-20-III\fid expt: <zpgg30>
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 time domain size: 65536 points
 width: 23980.82 Hz = 238.3238 ppm = 0.365918 Hz/pt
 number of scans: 990

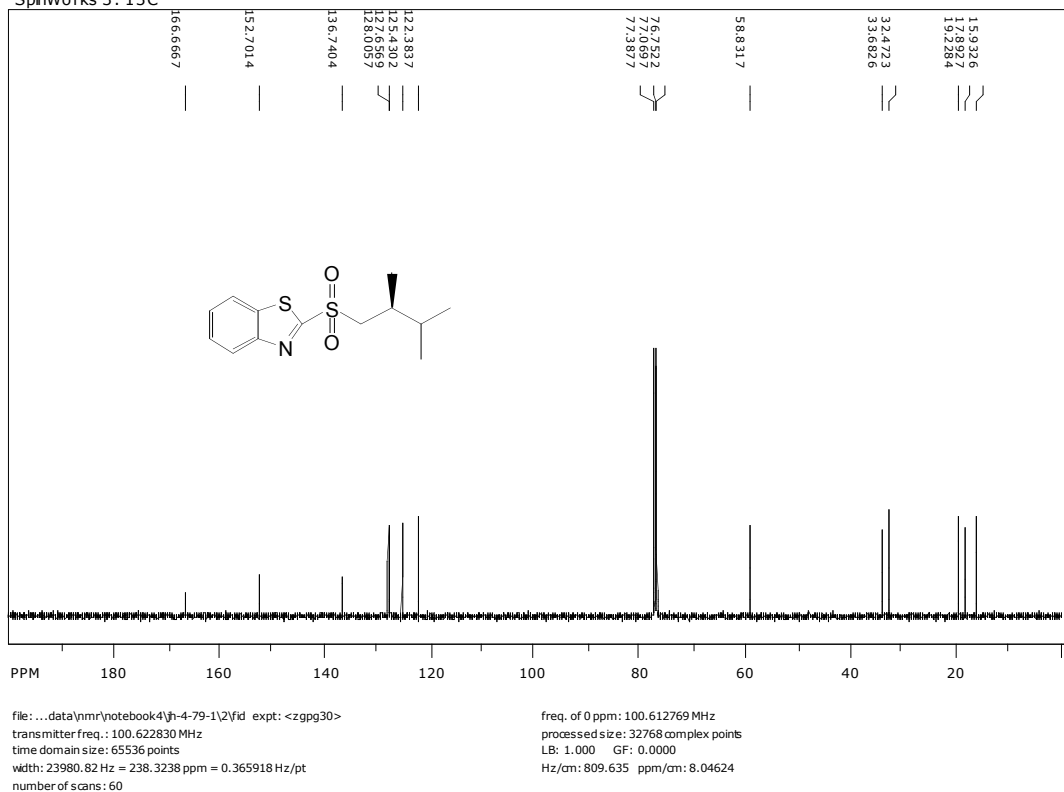
freq. of 0 ppm: 100.612769 MHz
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¹H and ¹³C of beta-sitosterol (3)

SphWorks 3: 1D Proton NMR

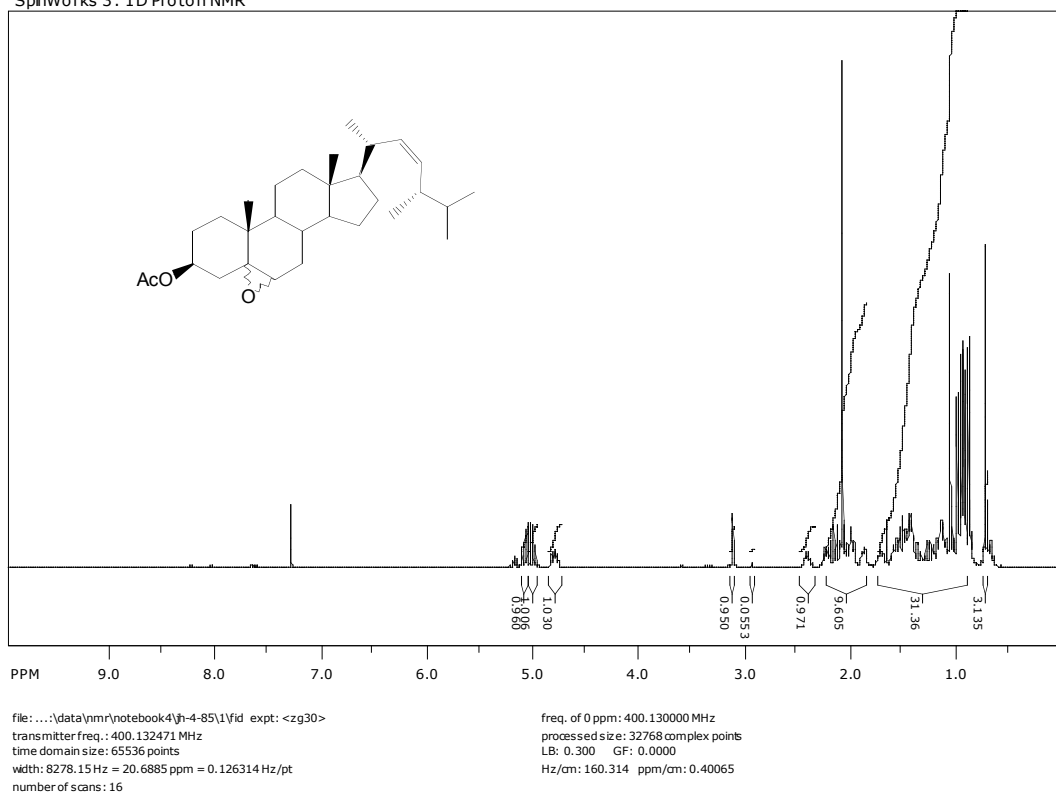


SphWorks 3: 13C

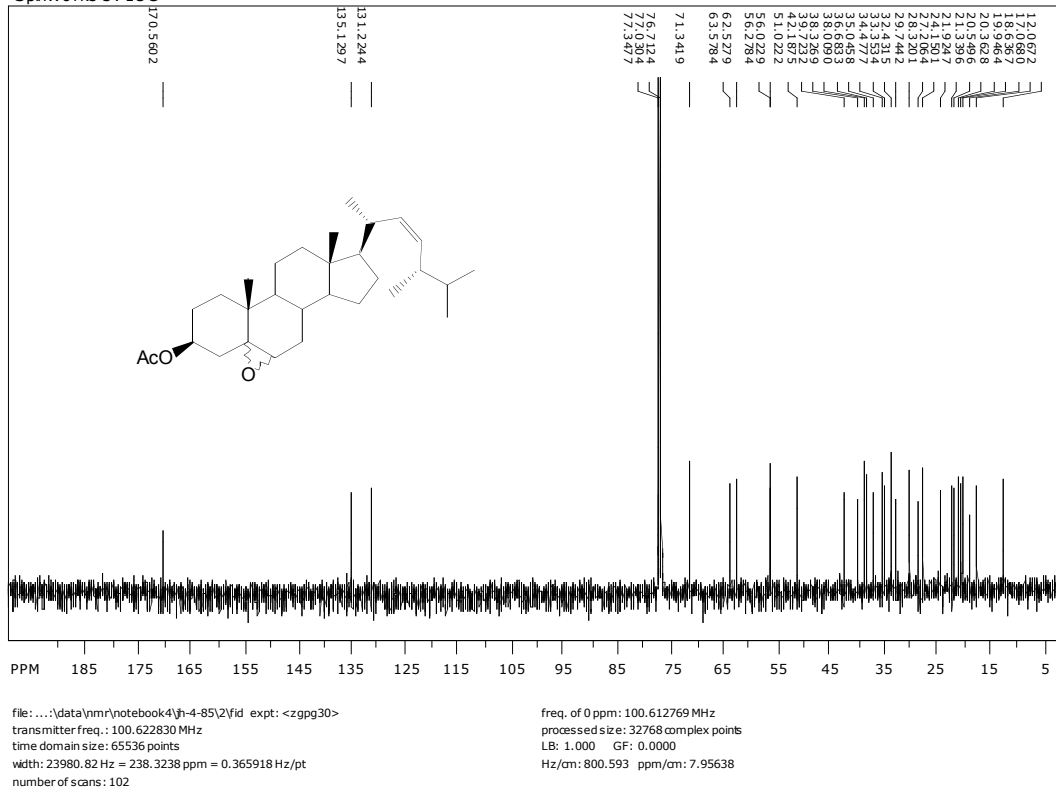


¹H and ¹³C of 10

SphWorks 3: 1D Proton NMR

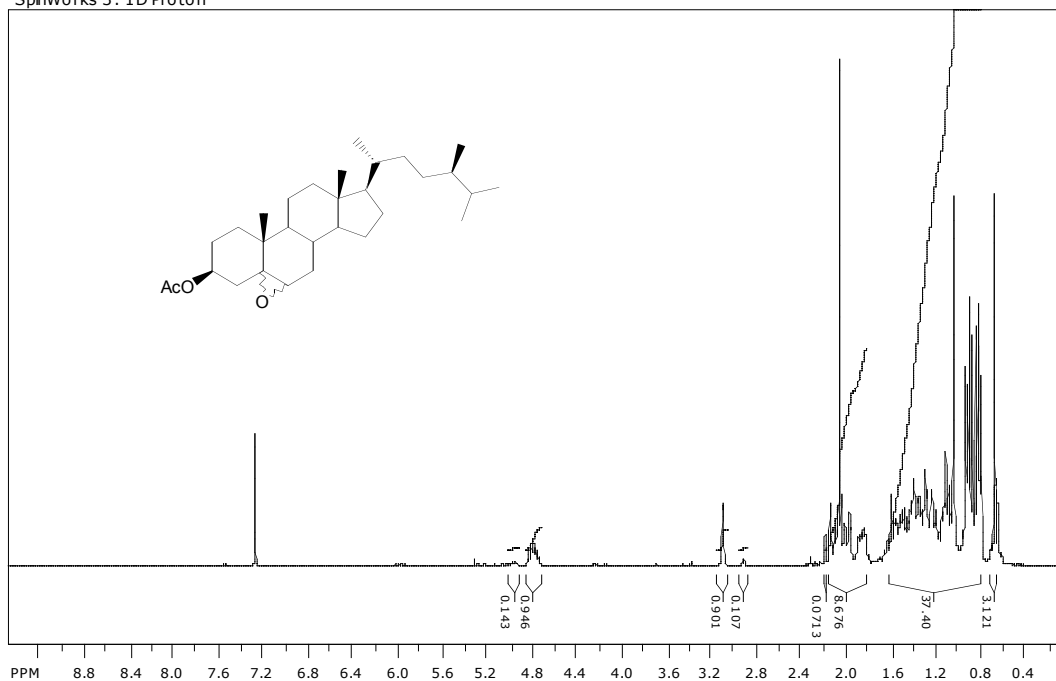


SphWorks 3: 13C



¹H and ¹³C of 12ab

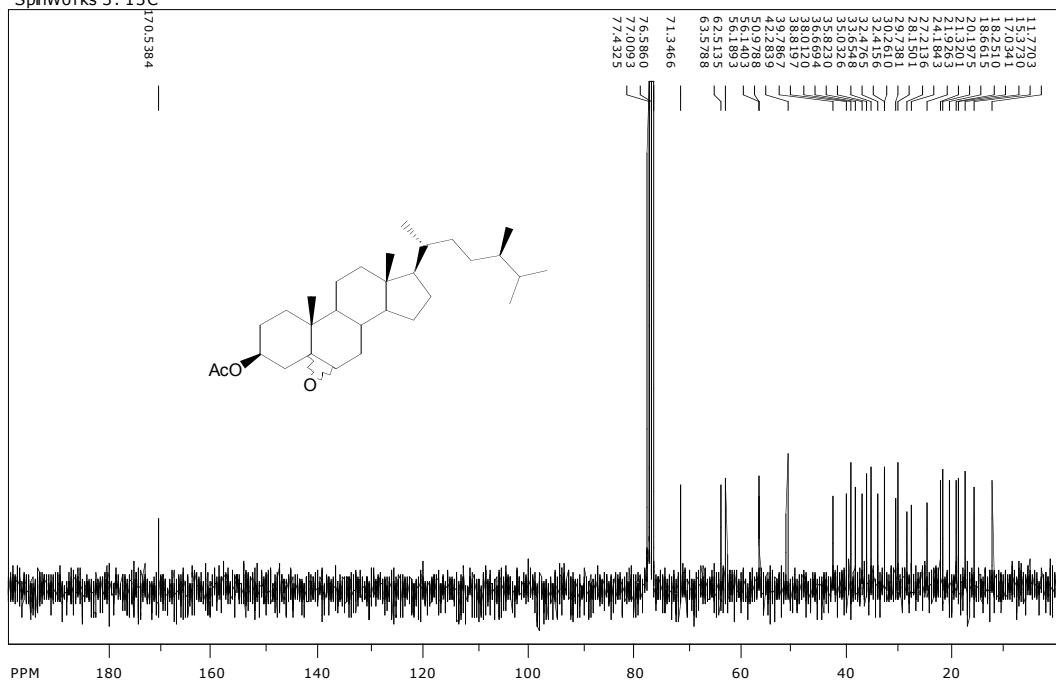
SphWorks 3: 1D Proton



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 time domain size: 65536 points
 width: 6172.84 Hz = 20.5671 ppm = 0.094190 Hz/pt
 number of scans: 16

freq. of 0 ppm: 300.130000 MHz
 processed size: 32768 complex points
 LB: 0.300 GF: 0.0000
 Hz/cm: 113.407 ppm/cm: 0.37786

SphWorks 3: 13C

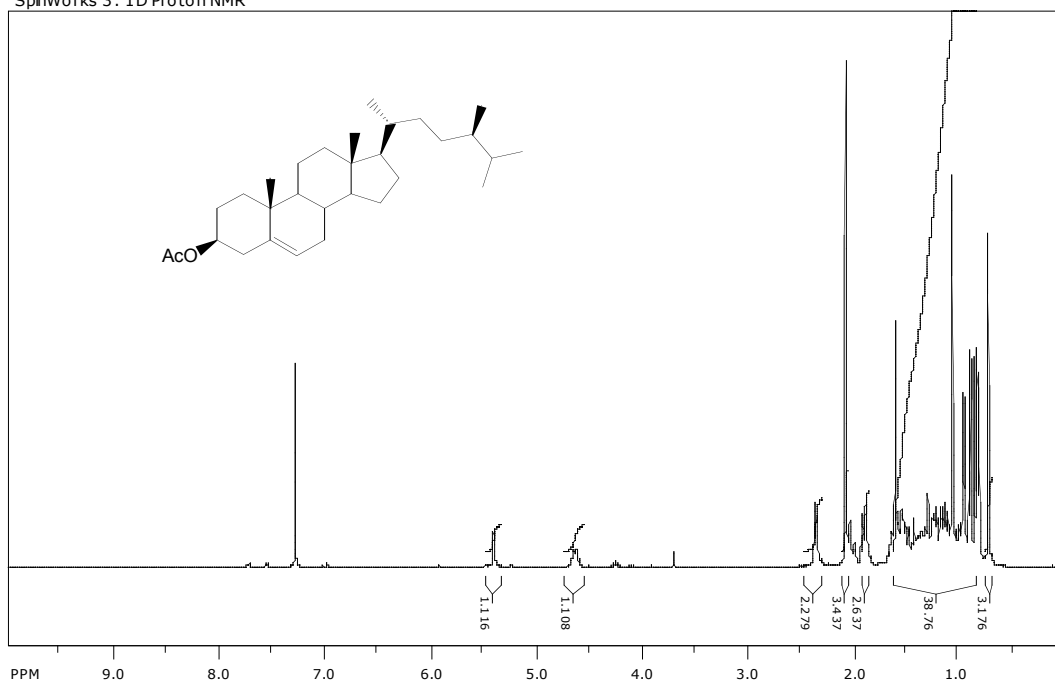


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 width: 17985.61 Hz = 238.2980 ppm = 0.548877 Hz/pt
 number of scans: 251

freq. of 0 ppm: 75.467749 MHz
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 LB: 1.000 GF: 0.0000
 Hz/cm: 605.993 ppm/cm: 8.02903

¹H and ¹³C of 13ab

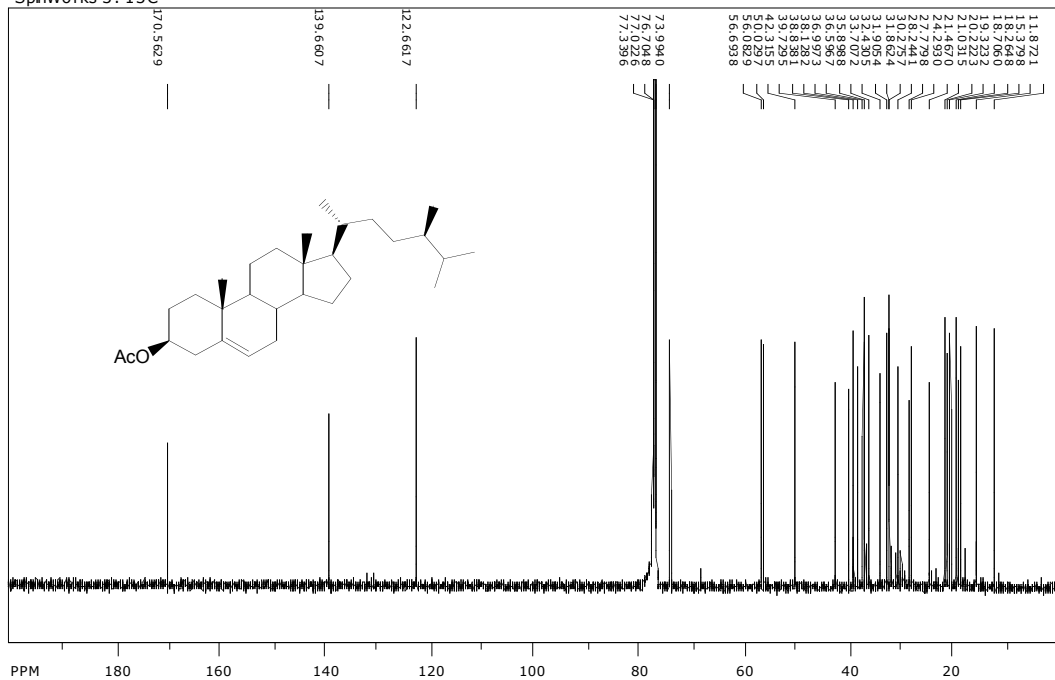
SphWorks 3: 1D Proton NMR



file: ...data\nmr\notebook4\jh-4-88\1\fid expt: <zg30>
 transmitter freq.: 400.132471 MHz
 time domain size: 65536 points
 width: 8278.15 Hz = 20.6885 ppm = 0.126314 Hz/pt
 number of scans: 16

freq. of 0 ppm: 400.130000 MHz
 processed size: 32768 complex points
 LB: 0.300 GF: 0.0000
 Hz/cm: 160.314 ppm/cm: 0.40065

SphWorks 3: 13C



file: ...ta\nmr\notebook4\jh-4-88-III\2\fid expt: <zpgg30>
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 time domain size: 65536 points
 width: 23980.82 Hz = 238.3238 ppm = 0.365918 Hz/pt
 number of scans: 10240

freq. of 0 ppm: 100.612769 MHz
 processed size: 32768 complex points
 LB: 1.000 GF: 0.0000
 Hz/cm: 814.567 ppm/cm: 8.09525

¹H and ¹³C of campesterol acetate (14)