



ELSEVIER

Contents lists available at ScienceDirect

## Data in Brief

journal homepage: [www.elsevier.com/locate/dib](http://www.elsevier.com/locate/dib)



### Data Article

# Nuclear magnetic resonance spectroscopy data of isolated compounds from *Acacia farnesiana* (L) Willd fruits and two esterified derivatives



Erika Hernández-García<sup>a</sup>, Abraham García<sup>a</sup>,  
Francisco G. Avalos-Alanís<sup>a</sup>, Verónica M. Rivas-Galindo<sup>b</sup>,  
Claudia Delgadillo-Puga<sup>c</sup>, María del Rayo Camacho-Corona<sup>a,\*</sup>

<sup>a</sup> Universidad Autónoma de Nuevo León, Facultad de Ciencias Químicas, Av. Universidad S/N, Ciudad Universitaria, CP 66451 San Nicolás de los Garza, Nuevo León, Mexico

<sup>b</sup> Universidad Autónoma de Nuevo León, Facultad de Medicina, Av. Madero S/N, Col. Mitras Centro, CP 64460 Monterrey, Nuevo León, Mexico

<sup>c</sup> Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Av. Vasco de Quiroga No. 15, Col. Belisario Domínguez Sección XVI, CP 14080 Ciudad de México, Mexico

### ARTICLE INFO

#### Article history:

Received 25 October 2018

Received in revised form

4 December 2018

Accepted 4 December 2018

Available online 7 December 2018

### ABSTRACT

In the present article we describe the spectroscopic data of <sup>1</sup>H and <sup>13</sup>C Nuclear Magnetic Resonance of 11 compounds including: Nine natural products from the hexanic-chloroformic and methanolic extracts of *Acacia farnesiana* fruit and two esterified derivatives (22E-stimasta-5,22-dien- 3β-acetyl and methyl 3,4,5-triacetyloxybenzoate). Data linked to the research work entitled "Chemical composition of fruits of *Acacia farnesiana* (L) Willd and its activity against *Mycobacterium tuberculosis* and dysentery bacteria" (Hernández et al., 2019) [1].

© 2018 The Authors. Published by Elsevier Inc. This is an open access article under the CC BY license

(<http://creativecommons.org/licenses/by/4.0/>).

DOI of original article: <https://doi.org/10.1016/j.jep.2018.10.031>

\* Correspondence to: División de Estudios de Posgrado Facultad de Ciencias Químicas Universidad Autónoma de Nuevo León Guerreo y Progreso S/N. Col. Treviño Monterrey, Nuevo León, C.P. 64570, México.

E-mail address: [maria.camachocn@uanl.edu.mx](mailto:maria.camachocn@uanl.edu.mx) (M.d.R. Camacho-Corona).

<https://doi.org/10.1016/j.dib.2018.12.008>

2352-3409/© 2018 The Authors. Published by Elsevier Inc. This is an open access article under the CC BY license (<http://creativecommons.org/licenses/by/4.0/>).

## Specifications table

---

Subject area	Phytochemistry
Type of data	NMR spectra figures
How data was acquired	NMR equipment Bruker AVANCE III HD 400 MHz
Data format	Analysed
Experimental factors	Dissolution of the compounds in deuterated solvent CDCl <sub>3</sub> , DMSO-d <sub>6</sub> , Acetone-d <sub>6</sub> and D <sub>2</sub> O
Experimental features	NMR <sup>1</sup> H and <sup>13</sup> C chemical shift, integration, coupling constants and multiplicity
Data source location	Facultad de Ciencias Químicas Universidad Autónoma de Nuevo León. Guerro y Progreso S/N. Col. Treviño, Monterrey, Nuevo León, México. C.P. 64570.
Data accessibility	All data are available in this document.
Related research article	Hernández, E., Garza, E., García, A., Avalos, F.G., Rivas, V. M., Rodríguez, J., Alcántar, V. M., Delgadillo, C., Camacho M. R. Chemical composition of <i>Acacia farnesiana</i> (L) wild fruits and its activity against <i>Mycobacterium tuberculosis</i> and dysentery bacteria. <i>J. Ethnopharmacol</i> 2019 230: 74–80 [1].

---

## Value of the data

- The spectroscopic characterization of natural products reported in this article is important in the metabolic chemical characterization processes of plants of the same family, genus or different plant species.
  - It is possible the characterization of new or related phytochemicals by comparison with the provided spectroscopic data.
- 

## 1. Data

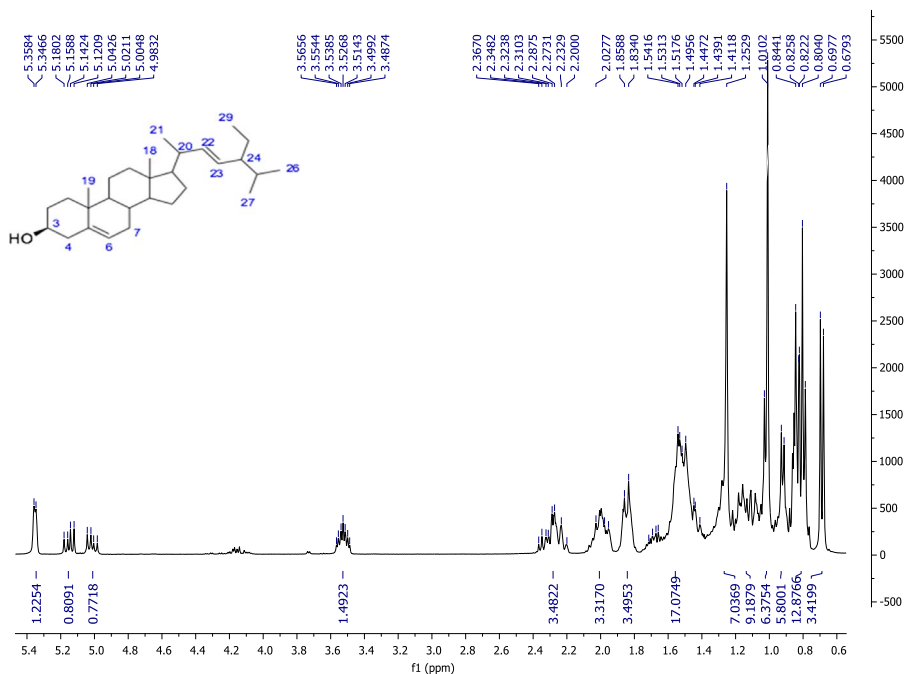
<sup>1</sup>H and <sup>13</sup>C Nuclear Magnetic Resonance techniques allowed the characterization of isolated compounds from the hexanic, chloroformic and methanolic extracts of *Acacia farnesiana* and esterified derivatives. NMR spectra data is shown, as well as the detailed description of the spectroscopic signals (chemical shift, integration, coupling constants, multiplicity and signal assignment), see Figs. 1–22 with this article.

## 2. Experimental design, materials and methods

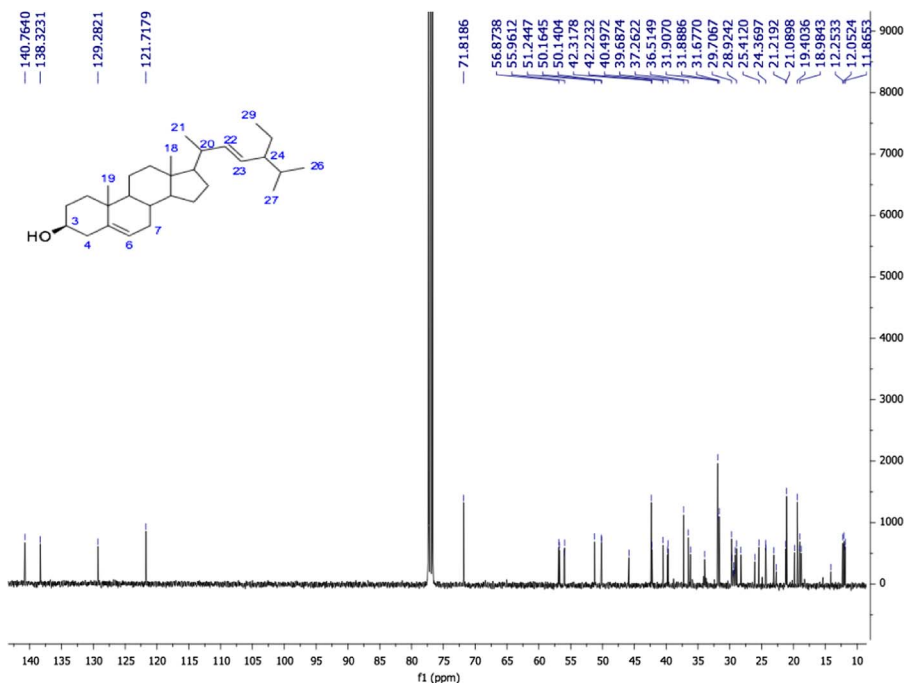
One-dimensional nuclear magnetic resonance (NMR) spectra were obtained using the Bruker AVANCE III HD 400 MHz equipment. Deuterated solvents (CDCl<sub>3</sub>, DMSO-d<sub>6</sub>, acetone-d<sub>6</sub> and D<sub>2</sub>O) were used based on the dissolution needs of the compounds to be studied and tetramethylsilane (TMS) as internal standard.

5–10 mg of each compound analyzed was weighed in analytical balance and 0.5 mL of deuterated solvent was added to sample until complete solubility. Then solution was placed in a clean and dry resonance tube.

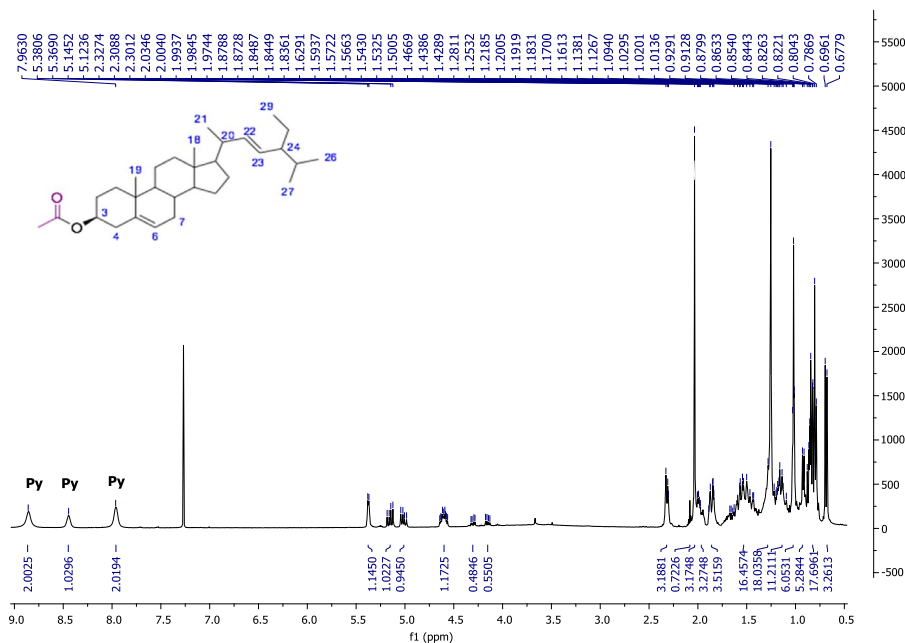
To obtain the spectroscopic data of hydrogen nucleus (<sup>1</sup>H), a 400 MHz equipment frequency was used, while for the carbon nucleus (<sup>13</sup>C) a frequency of 100 MHz was used.



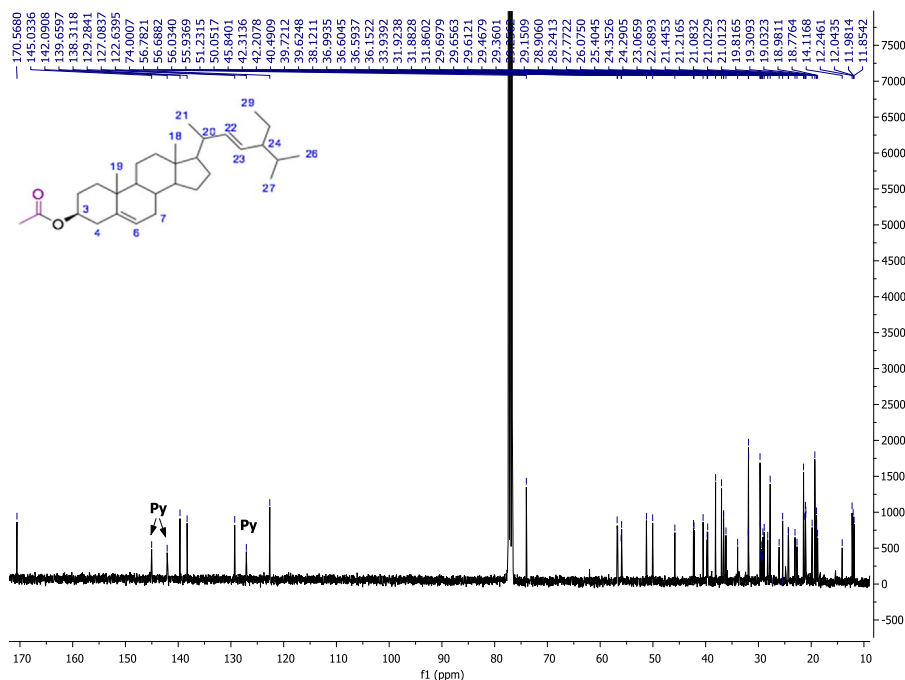
**Fig. 1.** 22E-stimasta-5,22-dien-3 $\beta$ -ol, NMR  $^1\text{H}$  (400 MHz  $\text{CDCl}_3$ )  $\delta$  ppm: 0.69 (s, 3H, Me-18), 0.79 (d,  $J=6.92$  Hz, 3H, Me-27), 0.80 (t,  $J=7.1$  Hz, 3H, Me-29), 0.83 (d,  $J=7.32$  Hz, 3H, Me-26), 0.86 (d,  $J=3.8$  Hz, 2H, H-28), 0.92 (d,  $J=6.4$  Hz, 2H, H-9, H-24), 1.01 (s, 3H, Me-19), 1.02 (d,  $J=7.72$  Hz, 3H, Me-21), 1.10 (m, 1H, H-14), 1.04 (m, 2H, H-1), 1.07 (m, 2H, H-15), 1.11 (m, 1H, H-14), 1.13 (m, 1H, H-17), 1.16 (m, 1H, H-12), 1.28 (m, 1H, H-16), 1.41 (m, 1H, H-20), 1.53 (m, 2H, H-7), 1.54 (m, 1H, H-11), 1.83 (m, 1H, H-25), 1.84 (m, 2H, H-2), 1.85 (m, 1H, H-16), 1.99 (m, 1H, H-8), 2.0 (m, 2H, H-12), 2.28 (m, 2H, H-4), 3.52 (m, 1H, H-3), 5.01 (dd,  $J=15.1, 8.6$  Hz, 1H, H-23), 5.15 (dd,  $J=15.1, 8.5$  Hz, 1H, H-22), 5.35 (brd,  $J=4.72$  Hz, 1H, H-6).



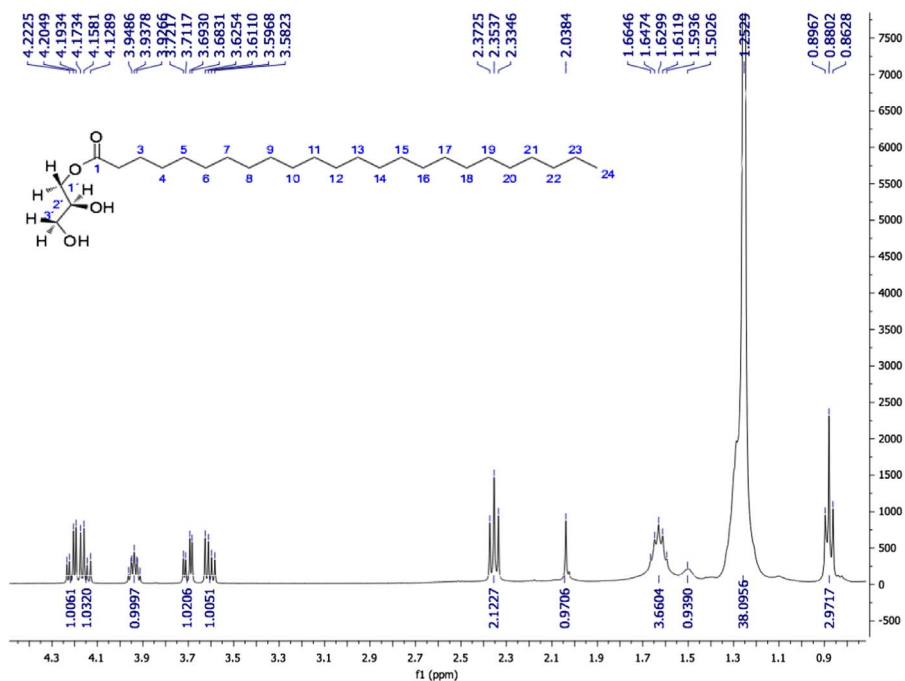
**Fig. 2.** 22E-stimasta-5,22-dien-3 $\beta$ -ol, NMR  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 12.05 (C18), 12.25 (C29), 19.03 (C27), 19.40 (C19), 21.08 (C11, C26), 21.21 (C21), 24.36 (C15), 25.41 (C28), 28.92 (C16), 31.67 (C2), 31.88 (C7, C8), 31.90 (C25), 36.51 (C10), 37.26 (C1), 39.78 (C12), 40.49 (C20), 42.22 (C13), 42.31 (C4), 50.14 (C9), 51.24 (C24), 55.96 (C17), 56.87 (C14), 71.81 (C3), 121.71 (C6), 129.28 (C23), 138.32 (C22), 140.76 (C5).



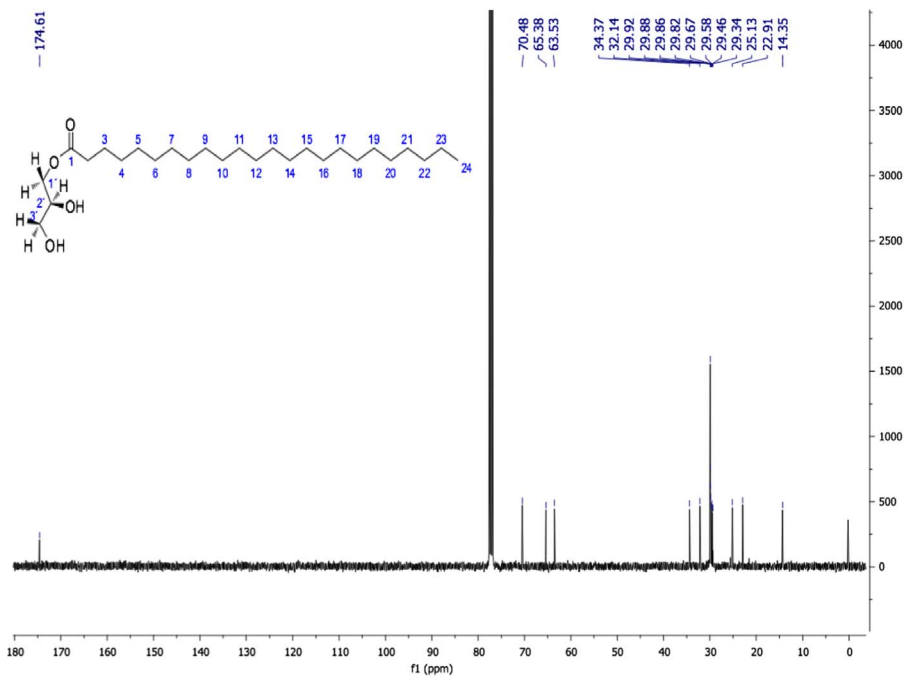
**Fig. 3.** 22E-stimasta-5,22-dien-3 $\beta$ -acetyl. NMR  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 0.69 (s, 3H, Me-18), 0.79 (d,  $J=6.96$  Hz, 3H, Me-27) 0.80 (t,  $J=7.04$  Hz, 3H, Me-29), 0.82 (d,  $J=1.74$  Hz, 2H, H-28), 0.83 (d,  $J=7.2$  Hz, 3H, Me-26), 0.91 (m, 1H, H-24) 0.92 (d,  $J=6.54$  Hz, 1H, H-9), 1.02 (s, 3H, Me-19), 1.021 (d,  $J=6.36$  Hz, 3H, Me-21), 1.12 (m, 1H, H-14), 1.13 (m, 2H, H-15), 1.16 (m, 2H, H-1), 1.17 (m, 1H, H-17), 1.18 (m, 1H, H-12), 1.28 (m, 1H, H-16), 1.42 (m, 1H, H-20), 1.53 (m, 2H, H-11), 1.54 (m, 2H, H-7), 1.83 (m, 1H, H-25), 1.84 (m, 2H, H-2), 1.87 (m, 1H, H-16), 1.98 (m, 1H, H-8), 1.99 (m, 2H, H-12), 2.03 (s, 3H,  $\text{CH}_3\text{CO}$ ), 2.32 (m, 2H, H-4), 4.6 (m, 1H, H-3), 5.01 (dd,  $J=15.16, 8.64$  Hz, 1H, H-23), 5.15 (dd,  $J=15.16, 8.6$  Hz, 1H, H-22), 5.37 (brd,  $J=4.64$ , 1H, H-6).



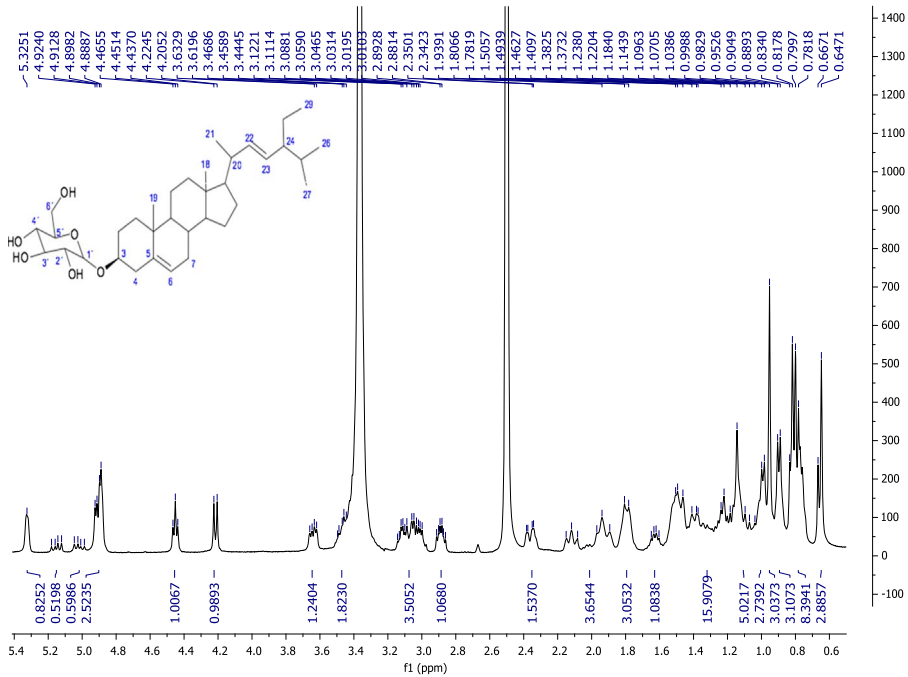
**Fig. 4.** 22E-stimasta-5,22-dien-3 $\beta$ -acetyl. NMR  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 12.04 (C18), 12.24 (C29), 18.98 (C27), 19.30 (C19), 21.01 (C11), 21.08 (C26), 21.21 (C21), 21.44 ( $\text{CH}_3\text{CO}$ ), 24.35 (C15), 25.40 (C28), 27.77 (C2), 28.90 (C16), 31.86 (C7, C8), 31.88 (C25), 36.59 (C10), 36.99 (C1), 38.12 (C4), 39.62 (C12), 40.49 (C20), 42.20 (C13), 50.05 (C9), 51.23 (C24), 55.93 (C17), 56.78 (C14), 74.0 (C3), 122.63 (C6), 129.28 (C23), 138.31 (C22), 139.65 (C5), 170.56 ( $\text{CH}_3\text{CO}$ ).



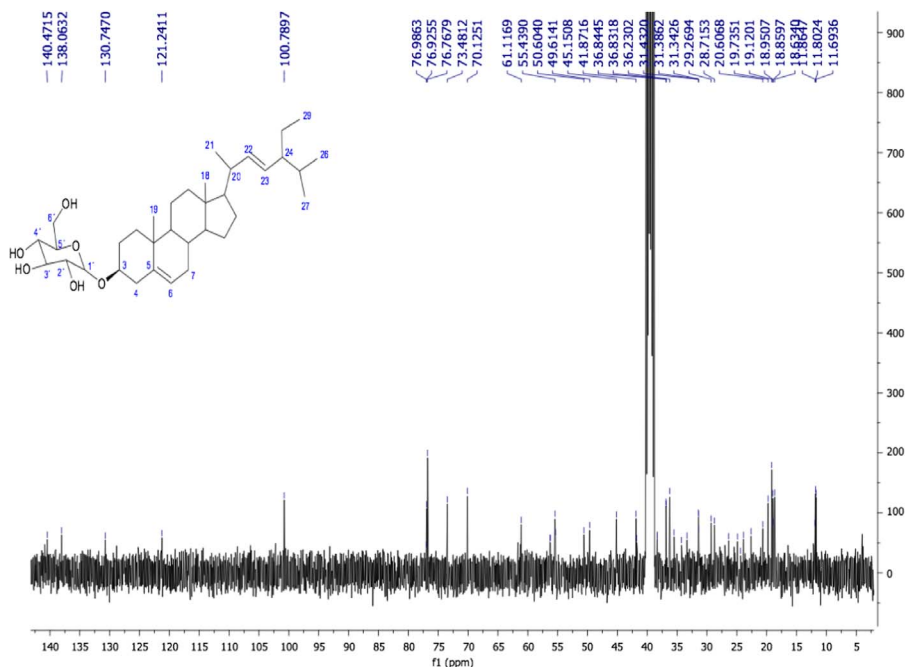
**Fig. 5.** Tetracosanoic acid (2S)-2, 3-dihydroxypropyl ester, NMR  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 0.88 (t,  $J=6.78$  Hz, 3H, Me-24), 1.25 (sa, 38H,  $(\text{CH}_2)_{19}$ , C4-C22), 1.50 (sa, 1H, OH-3'), 1.63 (m, 4H, H-3, H-23), 2.04 (s, 1H, OH-2'), 2.35 (t,  $J=7.58$  Hz, 2H, H-2), 3.60 (dd,  $J=11.46, 5.78$  Hz, 1H, H-3 $\beta$ ), 3.70 (dd,  $J=11.46, 3.98$  Hz, 1H, H-3 $\alpha$ ), 3.94 (m, 1H, H-2'), 4.15 (dd,  $J=11.68, 6.12$  Hz, 1H, H-1 $\beta$ ), 4.21 (dd,  $J=11.64, 4.6$  Hz, 1H, H-1 $\alpha$ ).



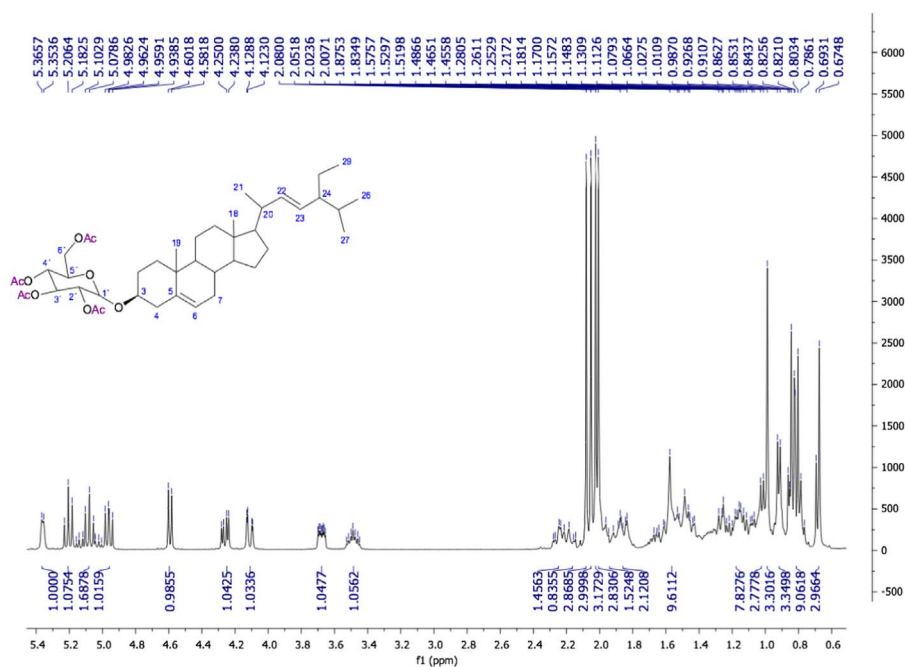
**Fig. 6.** Tetracosanoic acid (2S)-2, 3-dihydroxypropyl ester, NMR  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 14.35 (C24), 22.91 (C23), 25.13 (C3), 29.34 (C4), 29.46 (C5), 29.58 (C8), 29.67 (C9), 29.82 (C21), 29.86 (C6), 29.88 (C7), 29.92 (C10-C20), 32.14 (C22), 34.37 (C2), 63.53 (C3'), 65.38 (C1'), 70.48 (C2'), 174.61 (C1).



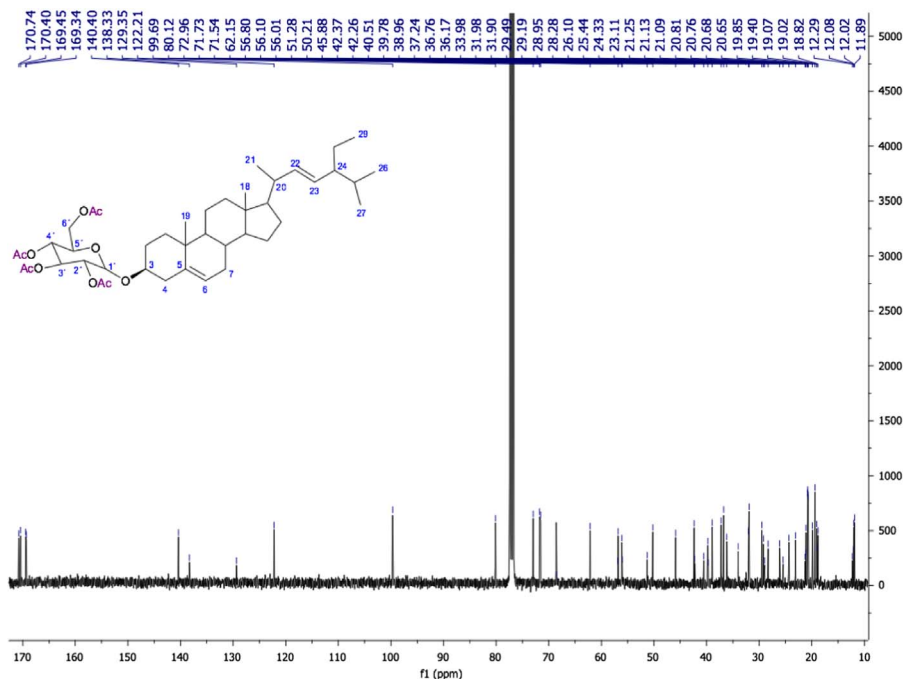
**Fig. 7.** Stigmasta-5,22-dien-3β-O-D-glucopyranoside, NMR <sup>1</sup>H (400 MHz, DMSO-d<sub>6</sub>) δ ppm: 0.64 (s, 3H, Me-18), 0.79 (t, *J*= 7.40 Hz, 3H, Me-29), 0.80 (d, *J*= 7.64 Hz, 3H, Me-27), 0.81 (m, 1H, H-9), 0.83 (m, 1H, H-24), 0.89 (d, *J*= 6.24 Hz, 3H, Me-26), 0.95 (s, 3H, Me-19), 0.99 (d, *J*= 6.36 Hz, 3H, Me-21), 1.03 (m, 1H, H-17), 1.07 (m, 2H, H-15), 1.09 (m, 1H, H-9), 1.14 (m, 2H, H-12), 1.19 (d, *J*= 7.1 Hz, 1H, H-4), 1.22 (m, 2H, H-11), 1.37 (m, 2H, H-2), 1.40 (m, 1H, H-20), 1.46 (m, 1H, H-25), 1.49 (m, 2H, H-7), 1.62 (dd, *J*= 6.4, 11.6, 1H, H-8), 1.78 (m, 1H, H-16), 1.80 (m, 1H, H-4), 1.93 (m, 1H, H-16), 2.11 (m, 1H, H-1), 2.36 (dd, *J*= 3.0, 13.3 Hz, 1H, H-1), 2.88 (m, 1H, H-2'), 3.01 (m, 2H, H-5'), 3.04 (m, 2H, 4'), 3.11 (m, 1H, H-3'), 3.46 (m, 1H, H-3), 3.48 (m, 1H, H-6'a), 3.63 (dd, *J*= 10.7, 5.4 Hz, 1H, H-6'b), 4.21 (d, *J*= 7.72 Hz, 1H, H-1'), 4.45 (t, *J*= 5.6 Hz, 1H, OH-6'), 4.88 (sa, 1H, OH-4'), 4.89 (sa, 1H, OH-2'), 4.91 (d, *J*= 4.5 Hz, 1H, OH-3'), 5.01 (dd, *J*= 15, 8.72, Hz, 1H, H-23), 5.15 (dd, *J*= 15.04, 8.62 Hz, 1H, H-22), 5.32 (sa, 1H, H-6).



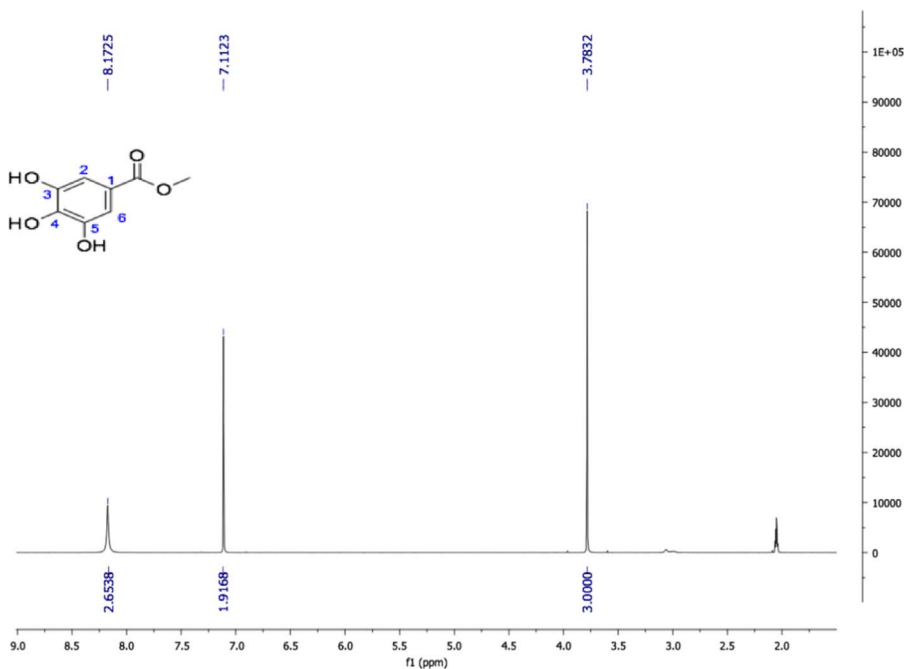
**Fig. 8.** Stigmasta-5,22-dien-3 $\beta$ -O-D-glucopyranoside. NMR  $^{13}\text{C}$  (100 MHz,  $\text{DMSO-d}_6$ ):  $\delta$  (ppm): 11.69 (C29), 11.80 (C18), 18.63 (C21), 18.85 (C27), 18.95 (C19), 19.12 (C26), 22.62 (C11), 23.88 (C28), 24.88 (C15), 29.26 (C16), 31.38 (C7, C8), 31.43 (C24, C25), 33.35 (C2), 35.49 (C20), 36.23 (C10), 36.83 (C4), 38.30 (C1), 39 (C12), 41.87 (C13), 49.61 (C9), 55.43 (C17), 56.27 (C14), 61.11 (C6 $'$ ), 70.12 (C2 $'$ ), 73.48 (C4 $'$ ), 76.76 (C5 $'$ ), 76.92 (C3 $'$ ), 76.98 (C3), 100.78 (C1 $'$ ), 121.24 (C6), 130.74 (C23), 138.06 (C22), 140.47 (C5).



**Fig. 9.** Stigmasta-5,22-dien-3 $\beta$ -O-D-tetraacetylglucopyranoside. NMR  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 0.67 (s, 3H, Me-18), 0.80 (t,  $J=7.24$  Hz, 3H, Me-29), 0.83 (d,  $J=7.04$  Hz, 3H, Me-27), 0.91 (d,  $J=6.44$  Hz, 3H, Me-26), 0.98 (s, 3H, Me-19), 1.02 (d,  $J=6.64$  Hz, 3H, Me-21), 2.00 (s, 3H,  $\text{CH}_3\text{CO-3}'$ ), 2.02 (s, 3H,  $\text{CH}_3\text{CO-2}'$ ), 2.05 (s, 3H,  $\text{CH}_3\text{CO-4}'$ ), 2.08 (s, 3H,  $\text{CH}_3\text{CO-6}'$ ), 3.48 (m, 1H, H-3), 3.67 (m, 1H, H-2 $'$ ), 4.1 (dd,  $J=12.2, 2.88$  Hz, 1H, H-6 $'$ a), 4.26 (dd,  $J=12.22, 4.82$  Hz, 1H, H-6 $'$ b), 4.59 (d,  $J=8.0$  Hz, 1H, H-1 $'$ ), 4.96 (t,  $J=9.48$  Hz, 1H, H-3 $'$ ), 5.03 (dd,  $J=14.16, 5.56$  Hz, 1H, H-23), 5.07 (t,  $J=9.68$  Hz, 1H, H-5 $'$ ), 5.13 (dd,  $J=15.16, 6.52$  Hz, 1H, H-22), 5.20 (t,  $J=9.52$  Hz, 1H, H-4 $'$ ) 5.36 (da,  $J=4.84$  Hz, 1H, H-6).

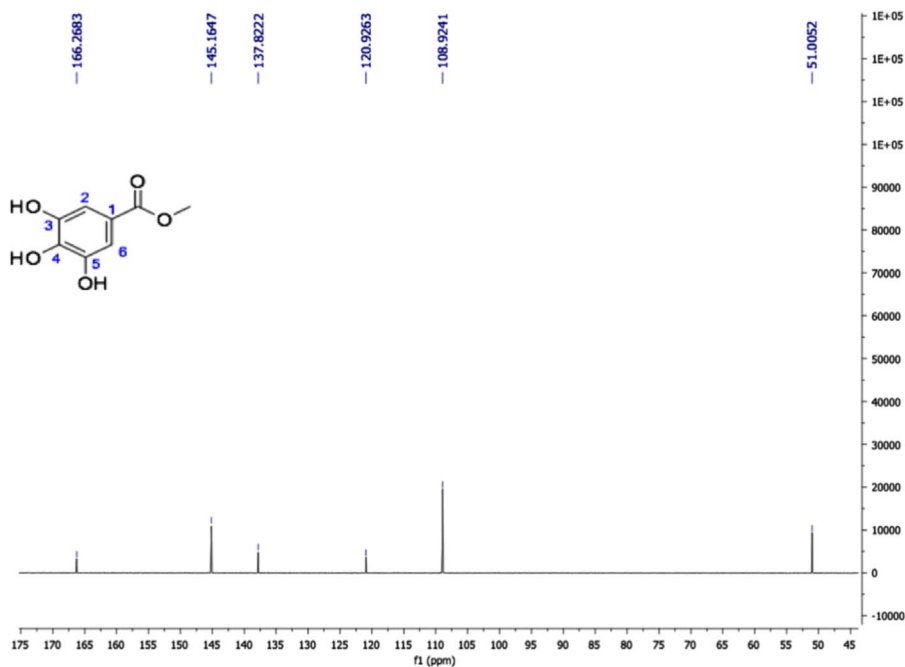


**Fig. 10.** Stigmasta-5,22-dien-3β-O-D-tetraacetylglucopyranoside. NMR <sup>13</sup>C (100 MHz, CDCl<sub>3</sub>) δ ppm: 11.89(C29), 12.02 (C18), 18.81 (C21), 19.07(C27), 19.39 (C19), 19.85 (C26), 20.65 (CH<sub>3</sub>CO-6'), 20.68 (CH<sub>3</sub>CO-4'), 20.76 (CH<sub>3</sub>CO-3'), 20.80 (CH<sub>3</sub>CO-2'), 21.08 (C11), 23.10 (C28), 24.33 (C15), 28.27 (C16), 29.48 (C24), 31.90 (C8, C25), 31.98 (C7), 33.98 (C-2), 36.16 (C20), 36.76 (C10), 37.23 (C1), 38.95 (C4), 39.77 (C12), 42.36 (C13), 50.20 (C9), 56.09 (C17), 56.79 (C14), 62.15 (C6'), 68.53 (C4'), 71.54 (C3'), 71.73 (C5'), 72.96 (C3), 80.12 (C2'), 99.68 (C1'), 122.20 (C6), 129.34 (C23), 138.32 (C22), 140.40 (C5), 169.34 (CH<sub>3</sub>CO-3'), 169.44 (CH<sub>3</sub>CO-4'), 170.40 (CH<sub>3</sub>CO-2'), 170.74 (CH<sub>3</sub>CO-6').

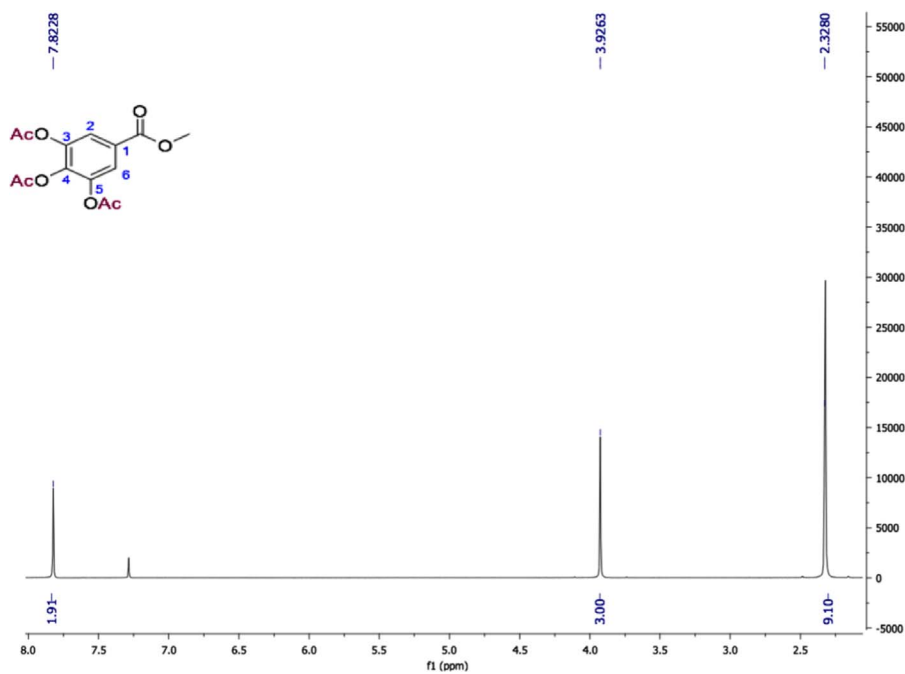


**Fig. 11.** Methyl gallate, NMR <sup>1</sup>H (400 MHz, Acetone-d<sub>6</sub>) δ ppm: 3.78 (s, 3H, OMe), 7.11 (s, 2H, H-2, H-6), 8.17 (s, 3H, OH).

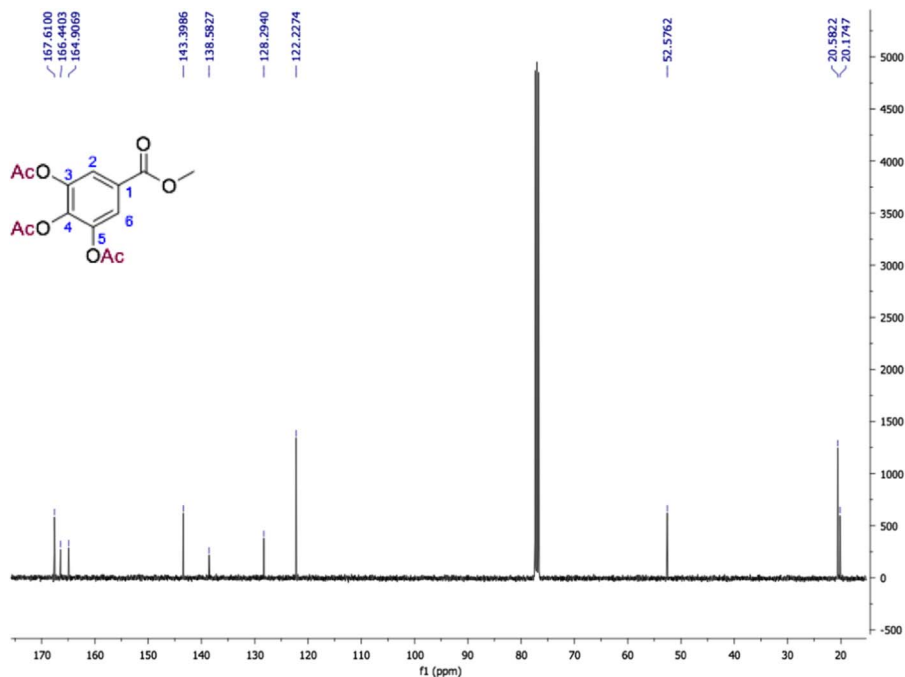




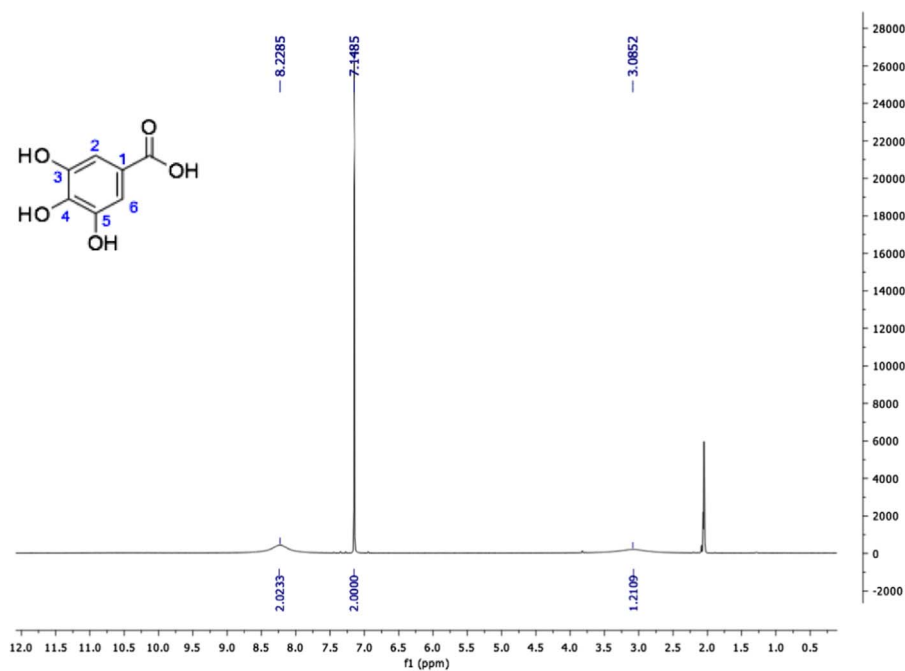
**Fig. 12.** Methyl gallate, NMR  $^{13}\text{C}$  (100 MHz, Acetone- $d_6$ )  $\delta$  ppm: 51.01 (OMe), 108.92 (C2, C6), 120.93 (C1), 137.82 (C4), 145.16 (C3, C5), 166.27 (COOR).



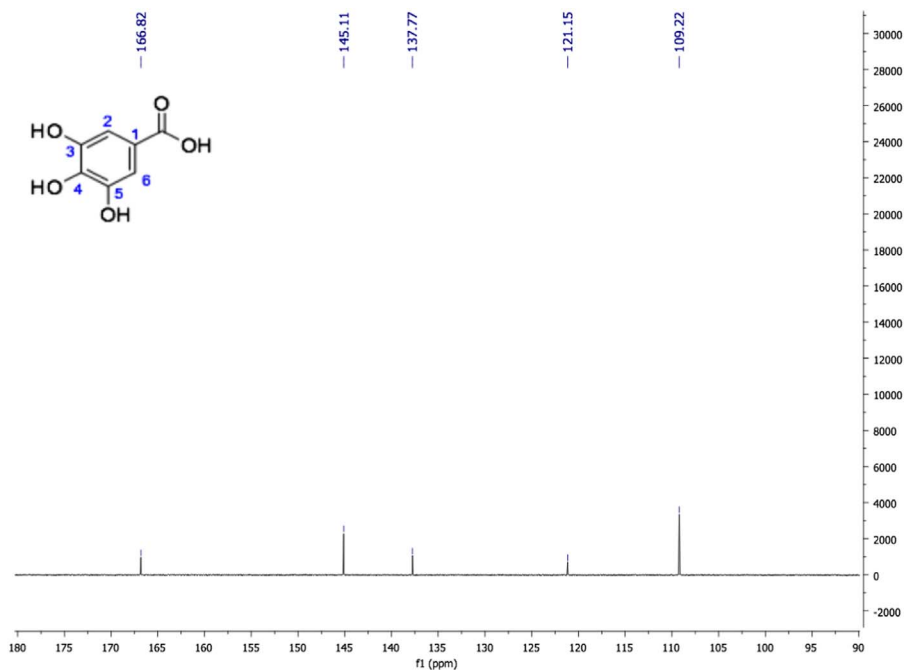
**Fig. 13.** Methyl 3,4,5-triacetyloxybenzoate, NMR  $^1\text{H}$  (400 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 2.32 (s, 9H, 3x  $\text{CH}_3\text{CO}$ ), 3.92 (s, 3H, OMe), 7.82 (s, H-2, H 6).



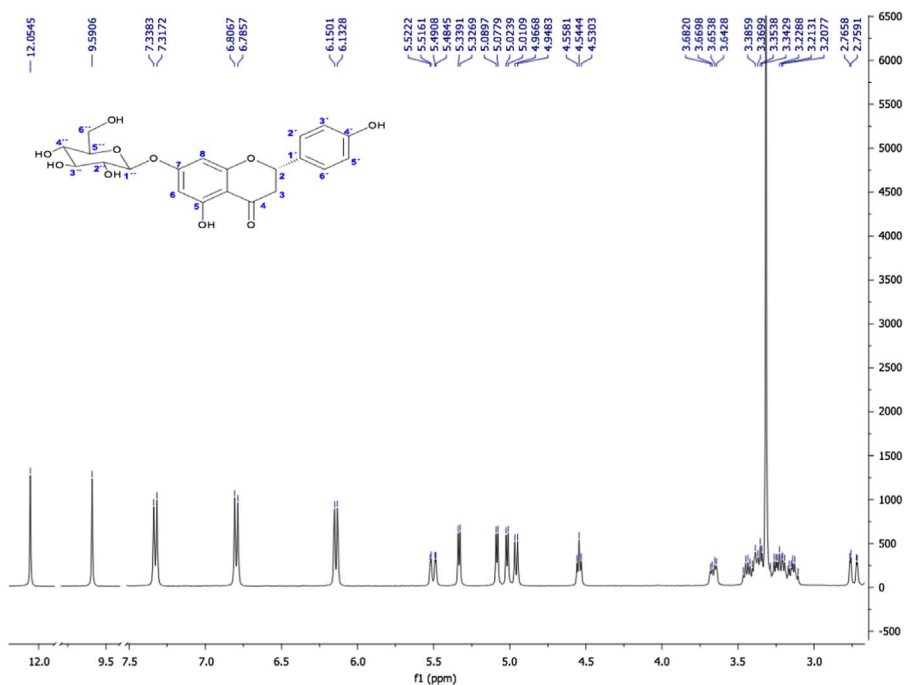
**Fig. 14.** Methyl 3,4,5-triacetoxybenzoate, NMR  $^{13}\text{C}$  (100 MHz,  $\text{CDCl}_3$ )  $\delta$  ppm: 20.17 ( $\text{CH}_3\text{CO-4}$ ), 20.58 ( $\text{CH}_3\text{CO-3}$ ,  $\text{CH}_3\text{CO-5}$ ), 52.57 ( $\text{OCH}_3$ ), 122.22 (C2, C6), 128.29 (C1), 138.58 (C4), 143.39 (C3, C5), 164.90 ( $\text{CH}_3\text{CO-1}$ ), 166.44 ( $\text{CH}_3\text{CO-4}$ ), 167.61 ( $\text{CH}_3\text{CO-3}$ ,  $\text{CH}_3\text{CO-5}$ ).



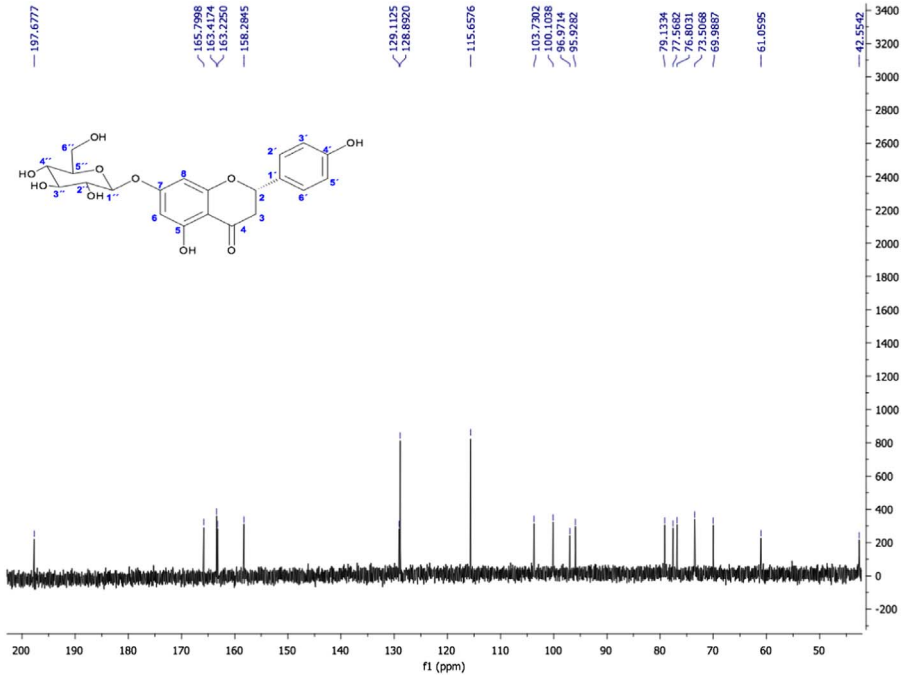
**Fig. 15.** Gallic acid, NMR  $^1\text{H}$  (400 MHz, Acetone- $d_6$ )  $\delta$  ppm: 3.08 (sa, 4H, OH-4), 7.14 (s, 2H, H-2, H-6), 8.22 (sa, 2H, OH-3, OH-5).



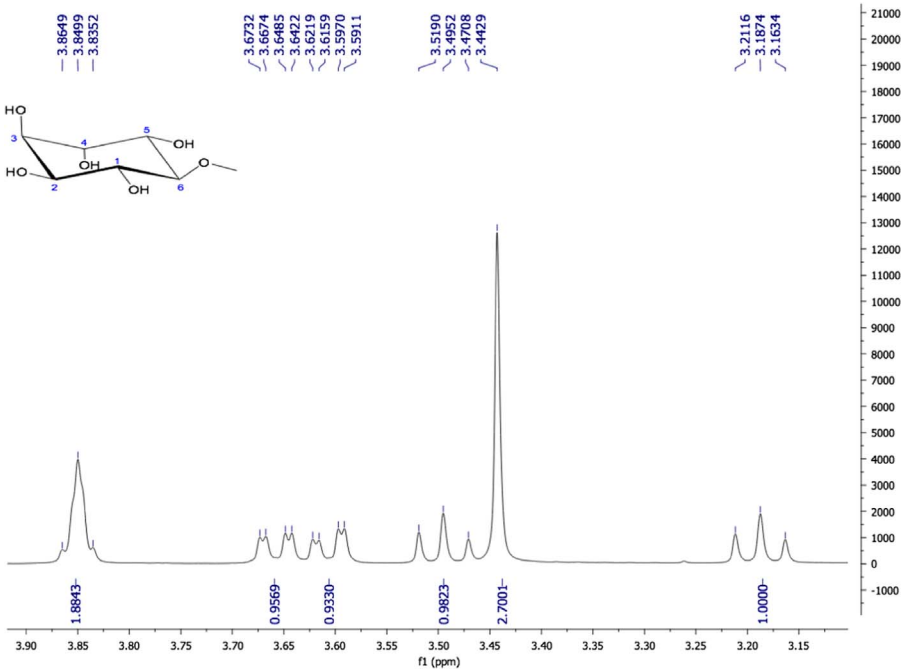
**Fig. 16.** Gallic acid, NMR  $^{13}\text{C}$  (100 MHz, Acetone- $d_6$ )  $\delta$  ppm: 109.22 (C2, C6), 121.15 (C1), 137.77 (C4), 145.11 (C3, C5), 166.82 (COOH).



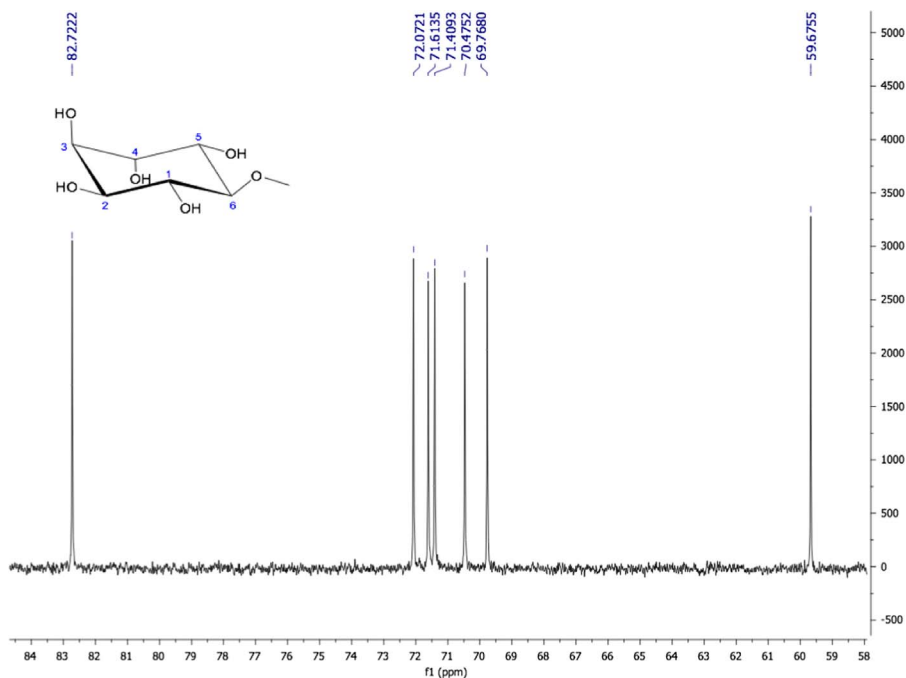
**Fig. 17.** (2S)-Naringenin 7-O- $\beta$ -D-glucopyranoside, NMR  $^1\text{H}$  (400 MHz, DMSO- $d_6$ )  $\delta$  ppm: 2.73 (dd,  $J$  = 17.1, 2.62 Hz, 1H, H-3 $\beta$ ), 3.14 (m, 1H, H-3 $\alpha$ ), 3.22 (m, 2H, H-4'', H-2''), 3.37 (m, 2H, H-3'', H-5''), 3.42 (dd,  $J$  = 11.68, 5.64 Hz, 1H, H-6a'), 3.65 (dd,  $J$  = 11.04, 4.68 Hz, 1H, H-6b'), 4.54 (t,  $J$  = 5.56, 1H, OH-6''), 4.95 (d,  $J$  = 7.4 Hz, 1H, H-1''), 5.01 (d,  $J$  = 5.2 Hz, 1H, OH-4''), 5.08 (d,  $J$  = 4.72 Hz, 1H, OH-3''), 5.33 (d,  $J$  = 4.88 Hz, 1H, OH-2''), 5.50 (dd,  $J$  = 12.6, 2.48 Hz, 1H, H-2), 6.13 (d,  $J$  = 2.2, 1H, H-6), 6.15 (d,  $J$  = 1.96, 1H, H-8), 6.79 (d,  $J$  = 8.4 Hz, 2H, H-3', H-5'), 7.32 (d,  $J$  = 8.44 Hz, 2H, H-2', H-6'), 9.59 (s, 1H, OH-4), 12.05 (s, 1H, OH-5).



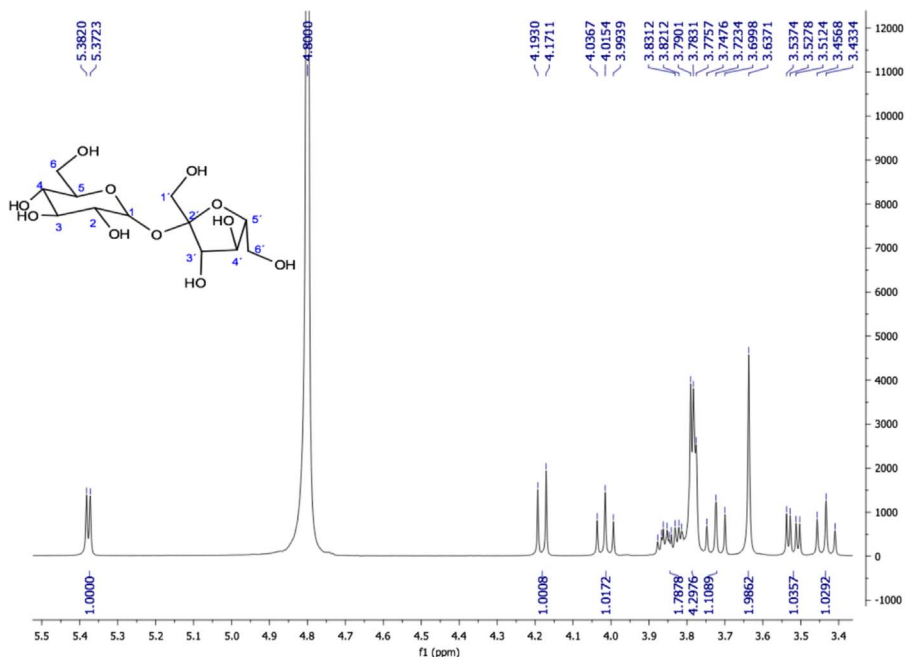
**Fig. 18.** (2S)-Naringenin 7-O-β-D-glucopyranoside. NMR  $^{13}\text{C}$  (100 MHz, DMSO- $d_6$ )  $\delta$  ppm: 42.55 (C3), 61.05 (C6''), 69.98 (C4''), 73.50 (C2''), 76.80 (C3'), 77.56 (C5'), 79.13 (C2), 95.92 (C8), 96.97 (C6), 100.10 (C1''), 103.73 (C10), 115.65 (C3', C5'), 128.89 (C2', C6'), 129.11 (C1'), 158.28 (C4'), 163.25 (C5), 163.41 (C9), 165.79 (C7), 197.67 (C4).



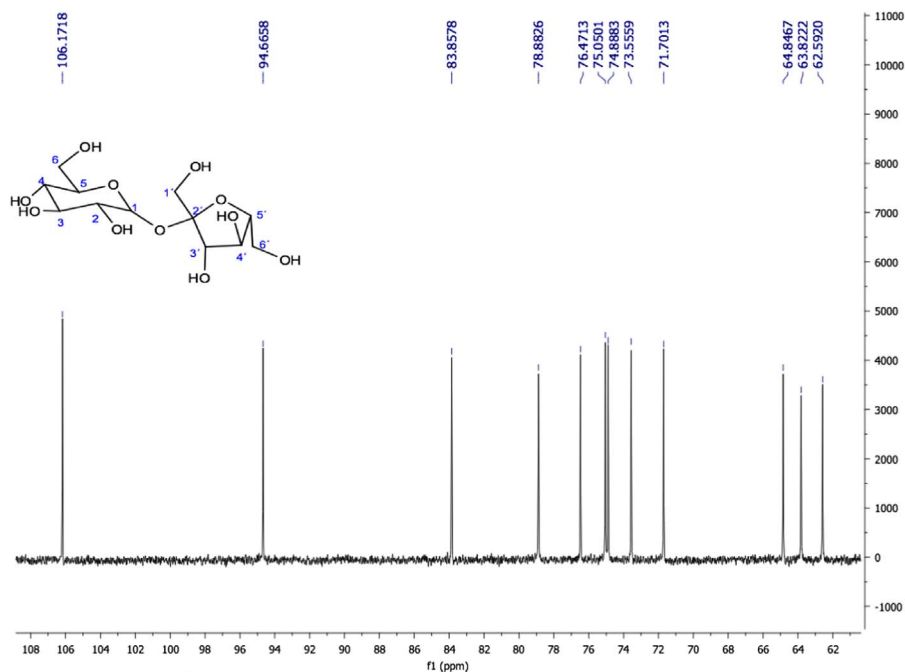
**Fig. 19.** Pinitol, NMR  $^1\text{H}$  (400 MHz,  $\text{D}_2\text{O}$ )  $\delta$  (ppm): 3.18 (t,  $J=9.64$  Hz, 1H, H-6), 3.44 (s, 3H,  $\text{OCH}_3$ ), 3.49 (t,  $J=9.64$  Hz, 1H, H-1), 3.55 (dd,  $J=9.94$ , 2.38 Hz, 1H, H-2), 3.65 (dd,  $J=9.98$ , 2.42 Hz, 1H, H-5), 3.84 (m, 2H, H-3, H-4).



**Fig. 20.** Pinitol, NMR  $^{13}\text{C}$  (100 MHz,  $\text{D}_2\text{O}$ )  $\delta$  (ppm): 59.67 ( $\text{OCH}_3$ ), 69.76 (C5), 70.47 (C2), 71.40 (C3), 71.61 (C4), 72.07 (C1), 82.72 (C6).



**Fig. 21.** Sucrose, NMR  $^1\text{H}$  (400 MHz,  $\text{D}_2\text{O}$ )  $\delta$  (ppm): 3.43 (t,  $J=9.42$  Hz, 1H, H-4), 3.52 (dd,  $J=10, 3.84$  Hz, 1H, H-2), 3.63 (s, 2H, H-1'), 3.72 (t,  $J=9.56$  Hz, 1H, H-3), 3.78 (d,  $J=2.96$  Hz, 2H, H-6), 3.79 (d,  $J=2.8$  Hz, 2H, H-6'), 3.83 (m, 1H, H-5), 3.86 (m, 1H, H-5'), 4.01 (t,  $J=8.56$  Hz, 1H, H-4'), 4.18 (d,  $J=8.76$  Hz, 1H, H-3'), 5.38 (d,  $J=3.88$  Hz, 1H, H-1).



**Fig. 22.** Sucrose. NMR  $^{13}\text{C}$  (100 MHz,  $\text{D}_2\text{O}$ )  $\delta$  (ppm): 62.59 (C6), 63.82 (C1'), 64.84 (C6'), 71.70 (C4), 73.55 (C2), 74.88 (C5), 75.05 (C3), 76.47 (C4'), 78.88 (C3'), 83.85 (C5'), 94.66 (C1), 106.17 (C2').

## Acknowledgements

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors. The data was taken from the Master degree thesis of EHG. EHG gives thanks to CONACYT for the scholarship (585267) to carry out her MSc studies.

## Transparency document. Supporting information

Transparency data associated with this article can be found in the online version at <https://doi.org/10.1016/j.dib.2018.12.008>.

## Reference

- [1] E. Hernández, E. Garza, A. García, F.G. Avalos, V.M. Rivas, J. Rodríguez, V.M. Alcántar, C. Delgadillo, M.R. Camacho, Chemical composition of *Acacia farnesiana* (L) wild fruits and its activity against *Mycobacterium tuberculosis* and dysentery bacteria, *J. Ethnopharmacol.* 230 (2019) 74–80.