**Study of the anti-allergic and anti-inflammatory activity of *Brachychiton rupestris* and *Brachychiton discolor* leaves (Malvaceae) using *in vitro* models**

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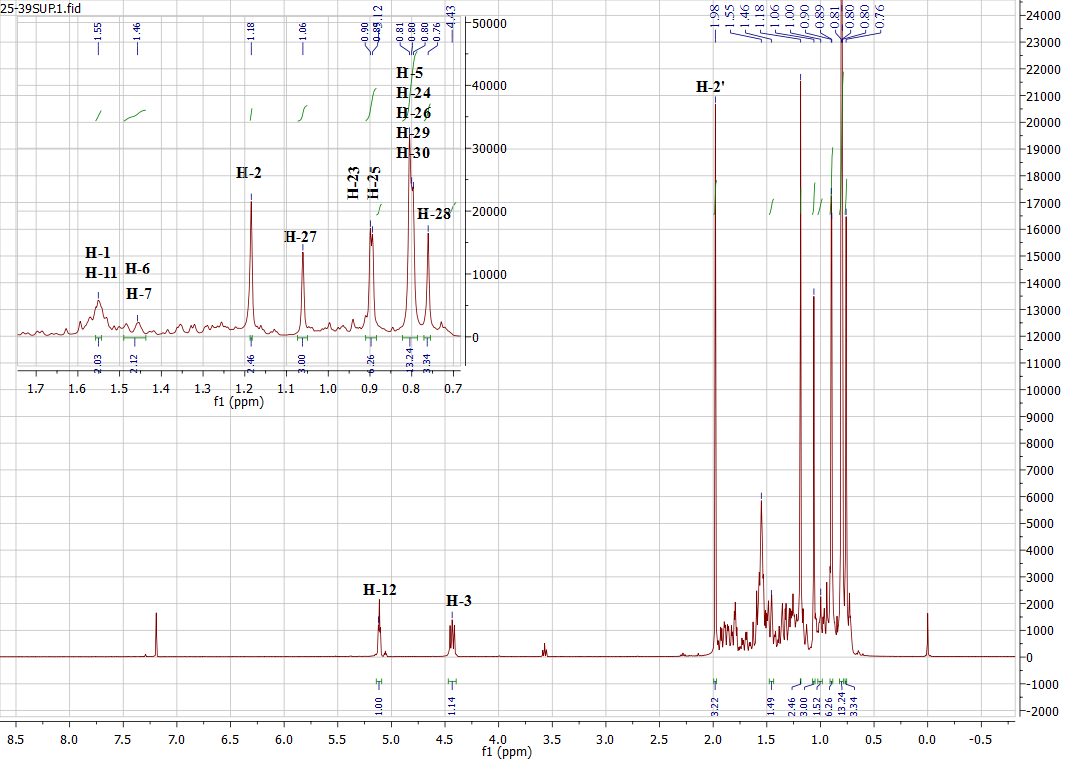
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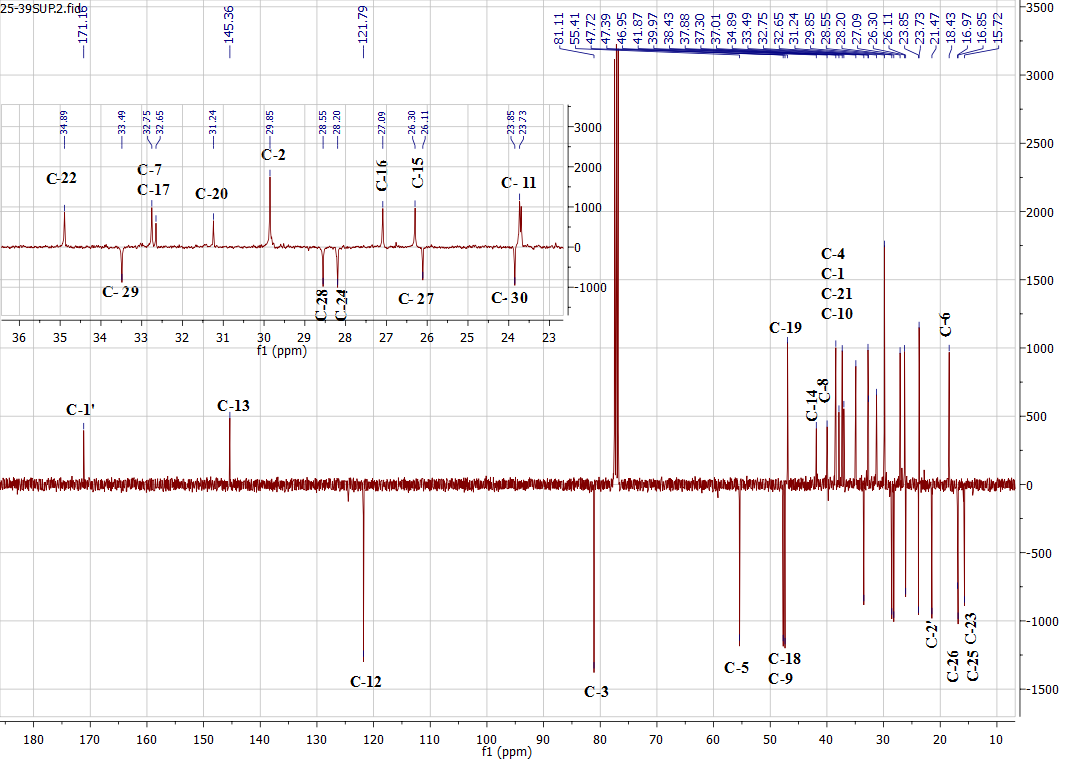
Professor Dr. Abdel Nasser B. Singab; Tel: +201-005036231; Fax: +202-24051107; E-mail: [dean@pharma.asu.edu.eg](mailto:dean@pharma.asu.edu.eg) (B. Singab); Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, African Union Organization Street, Abbassia 11566, Cairo, Egypt.

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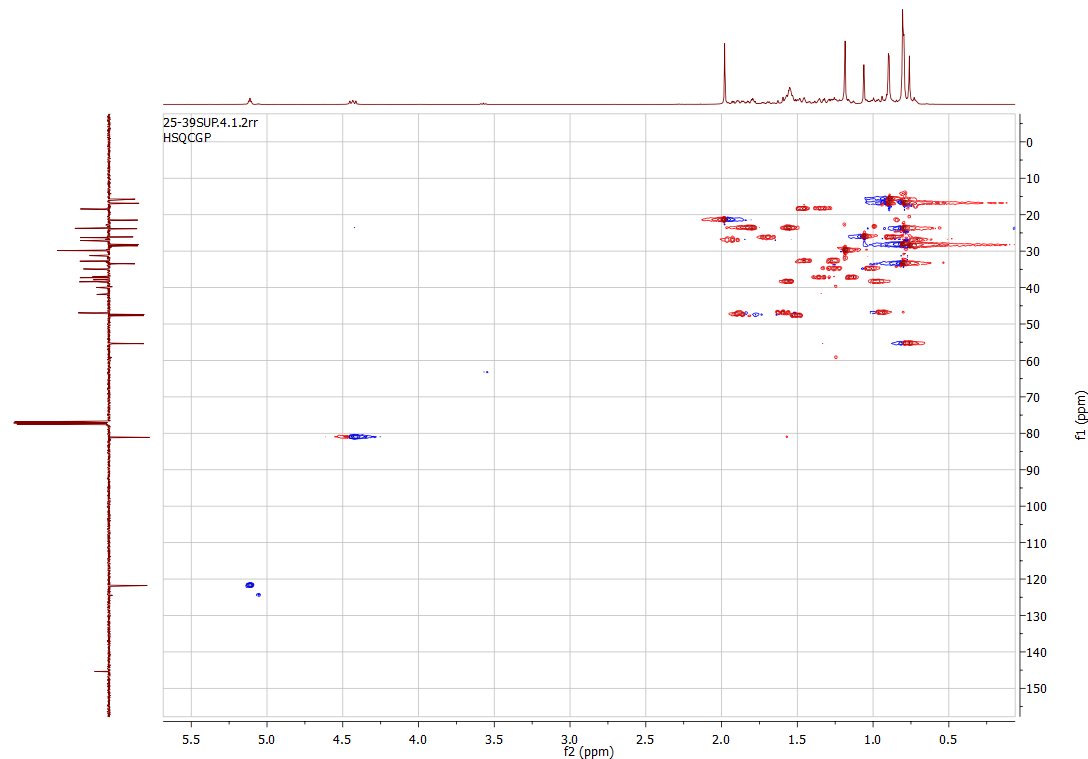
**Supporting information**



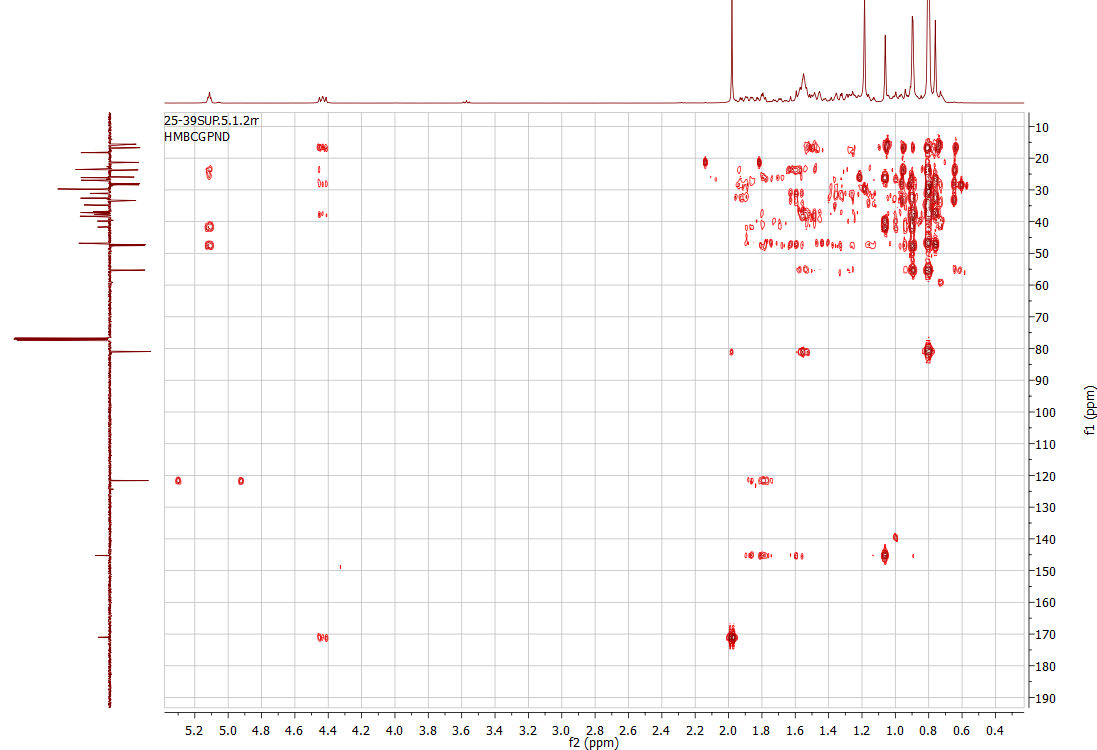
**Fig. S1a**: 1H NMR spectrum of *β*-amyrin acetate (**1**)



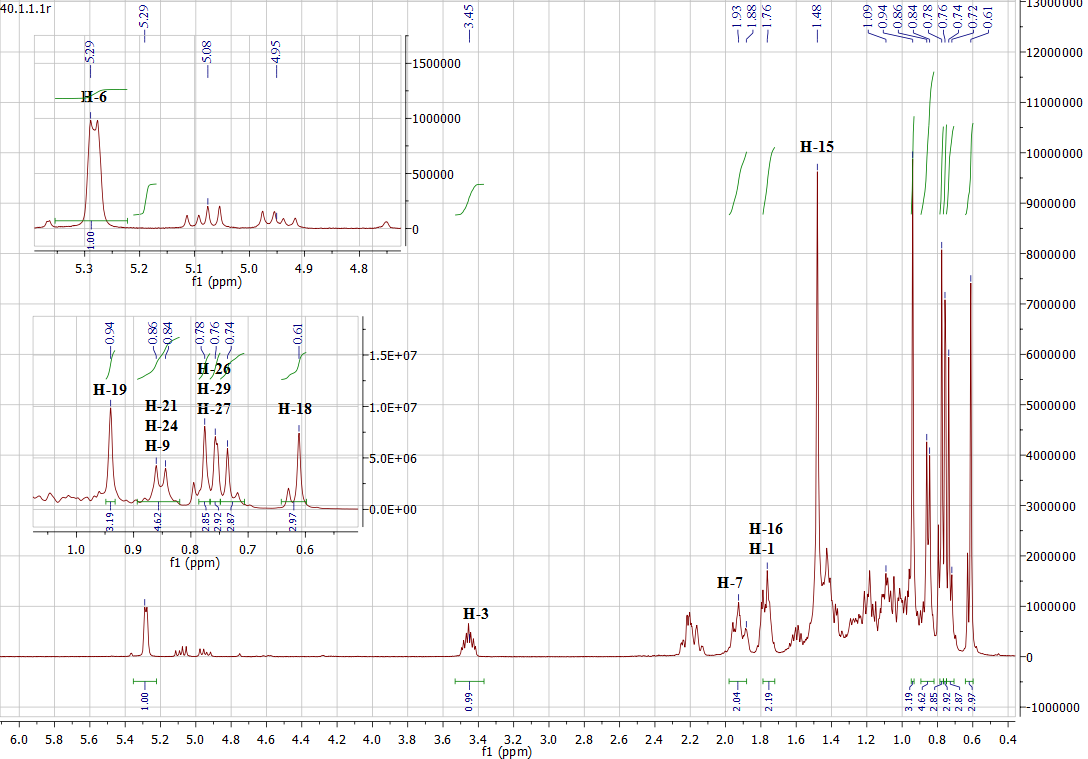
**Fig. S1b**: APT spectrum of *β*-amyrin acetate (**1**)



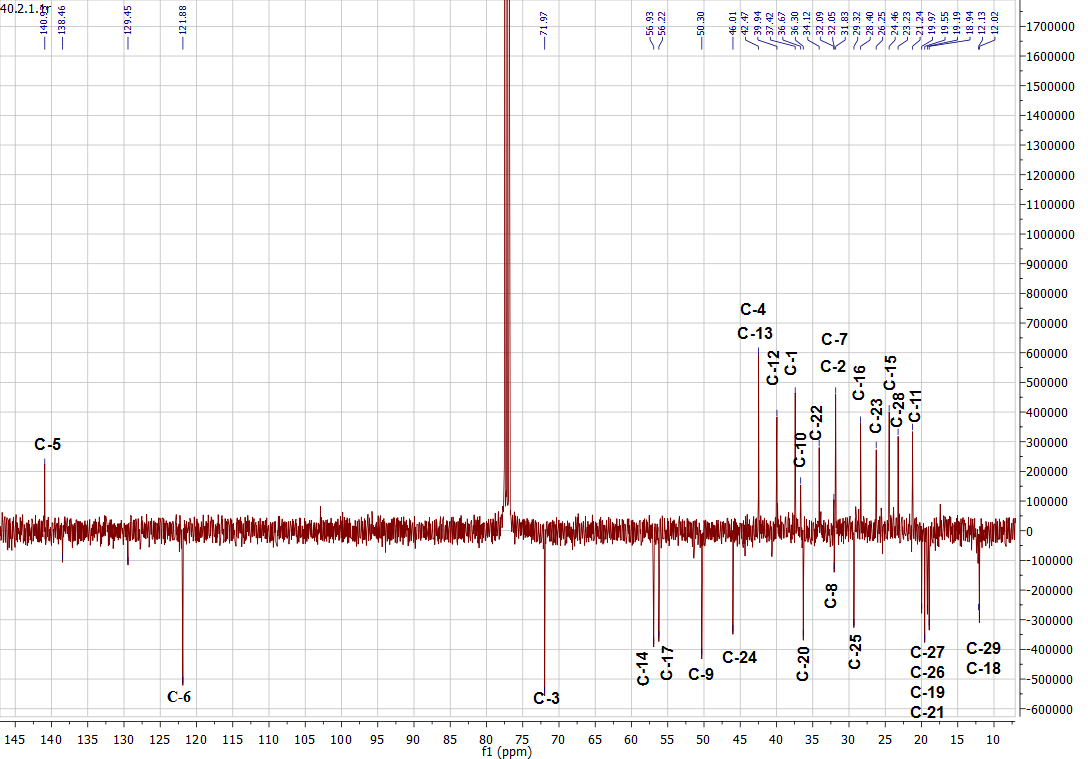
**Fig. S1c**: HSQC spectrum of *β*-amyrin acetate (**1**)



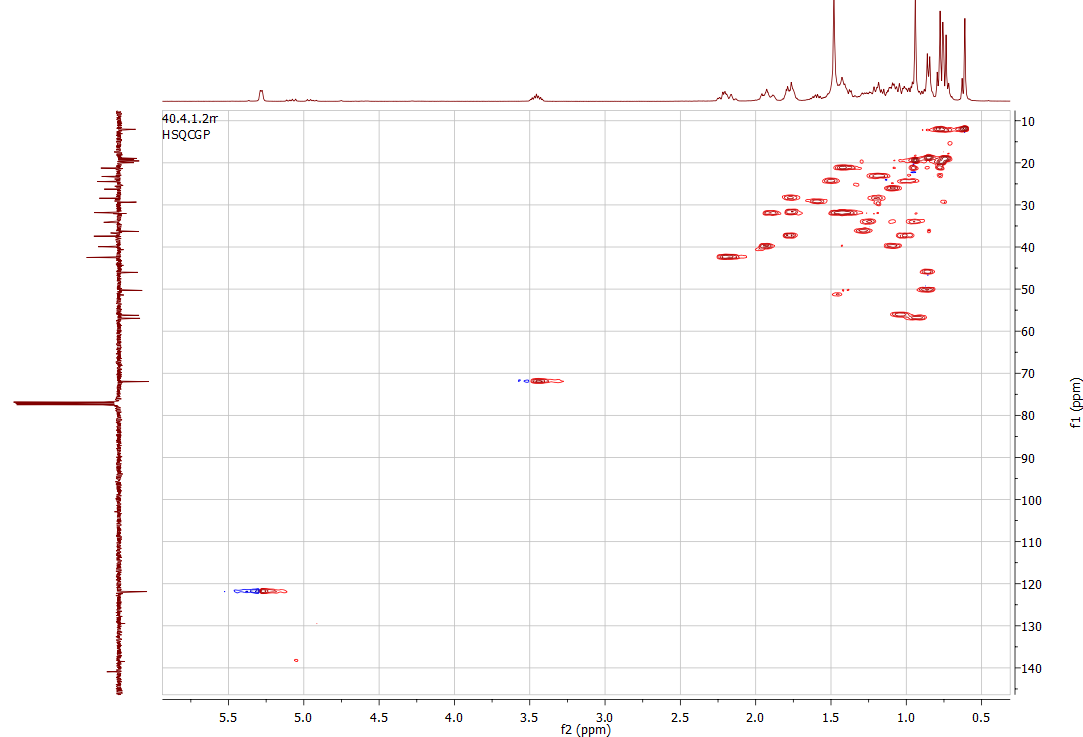
**Fig. S1d**: HMBC spectrum of *β*-amyrin acetate (**1**)



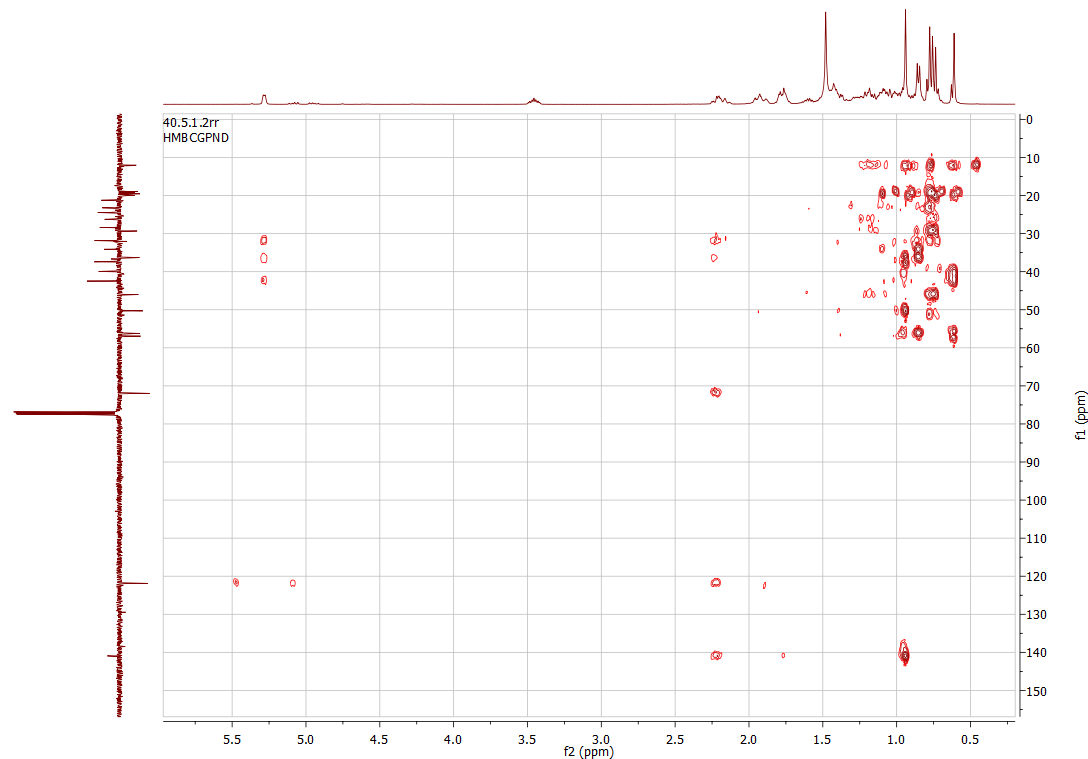
**Fig. S2a:** 1H NMR spectrum of *β*-sitosterol (**2**) and stigmasterol (**3**)



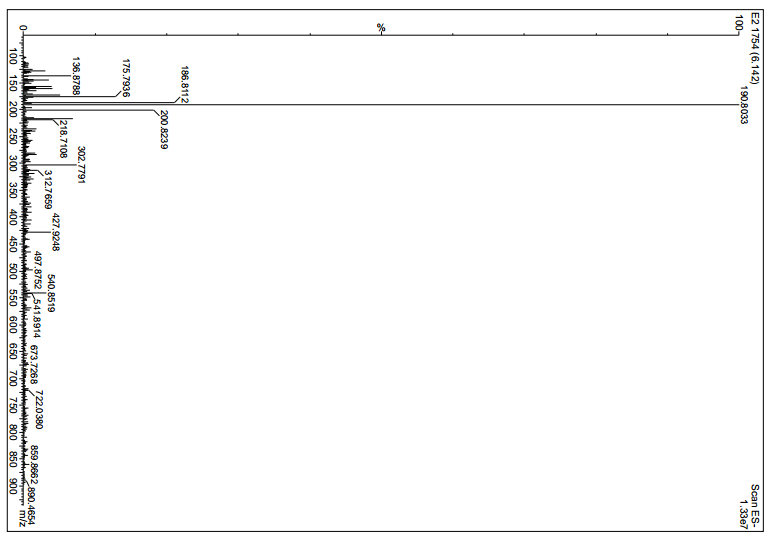
**Fig. S2b:** APT spectrum of *β*-sitosterol (**2**) and stigmasterol (**3**)



**Fig. S2c:** HSQC spectrum of *β*-sitosterol (**2**) and stigmasterol (**3**)

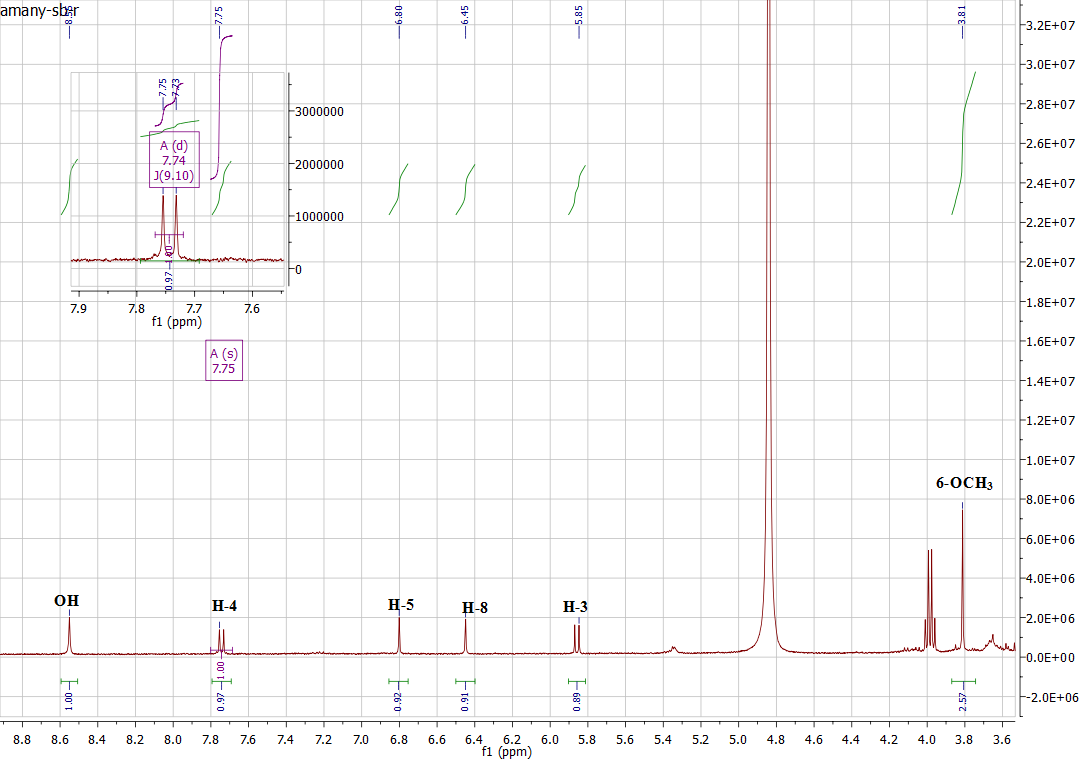


**Fig. S2d:** HMBC spectrum of *β*-sitosterol (**2**) and stigmasterol (**3**)

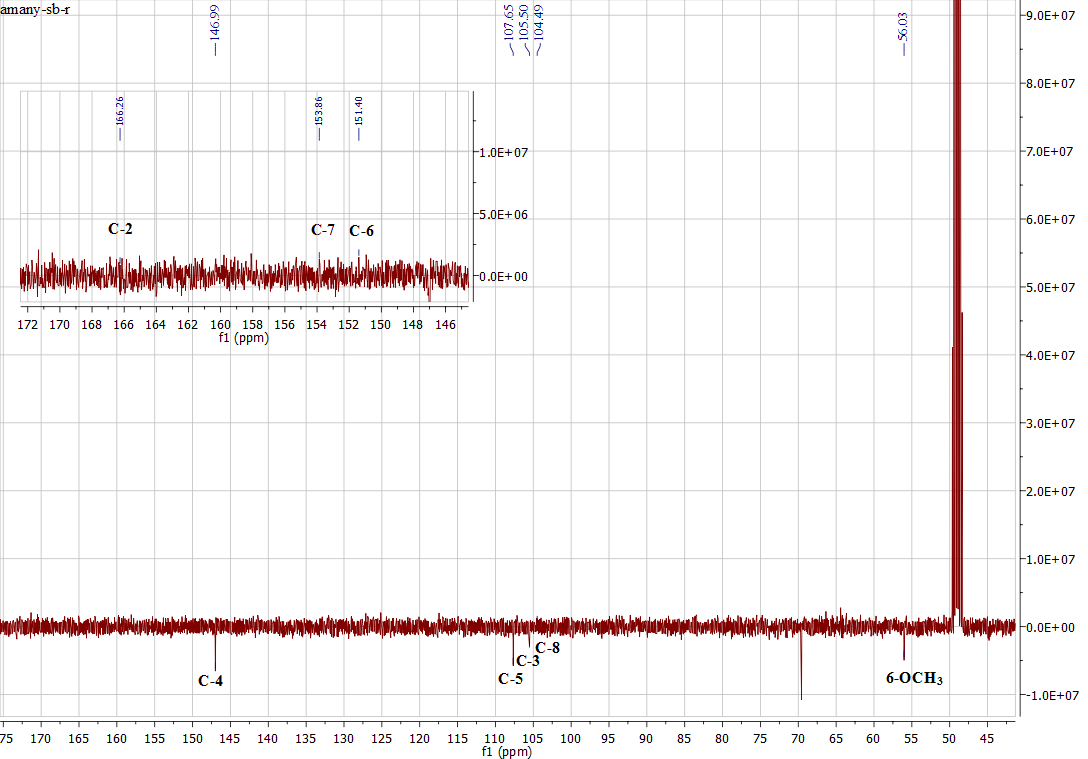


**Fig. S3a:** ESI--MS spectrum of scopoletin (**4**)

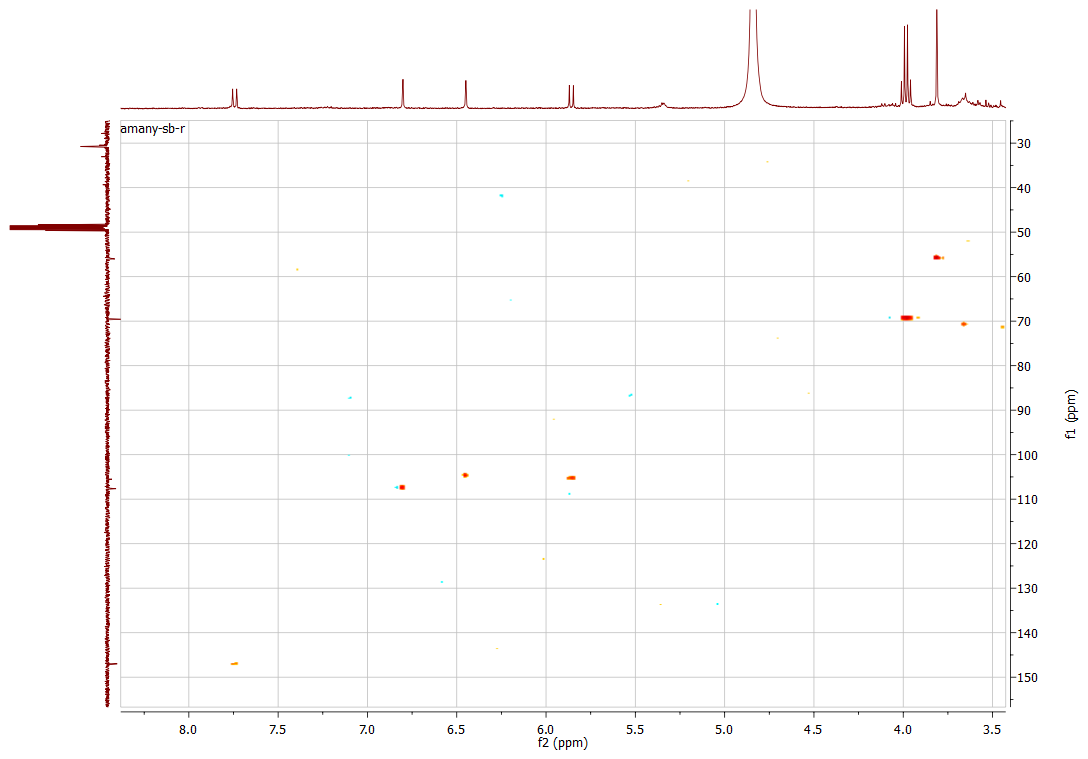
**[M – H]+**



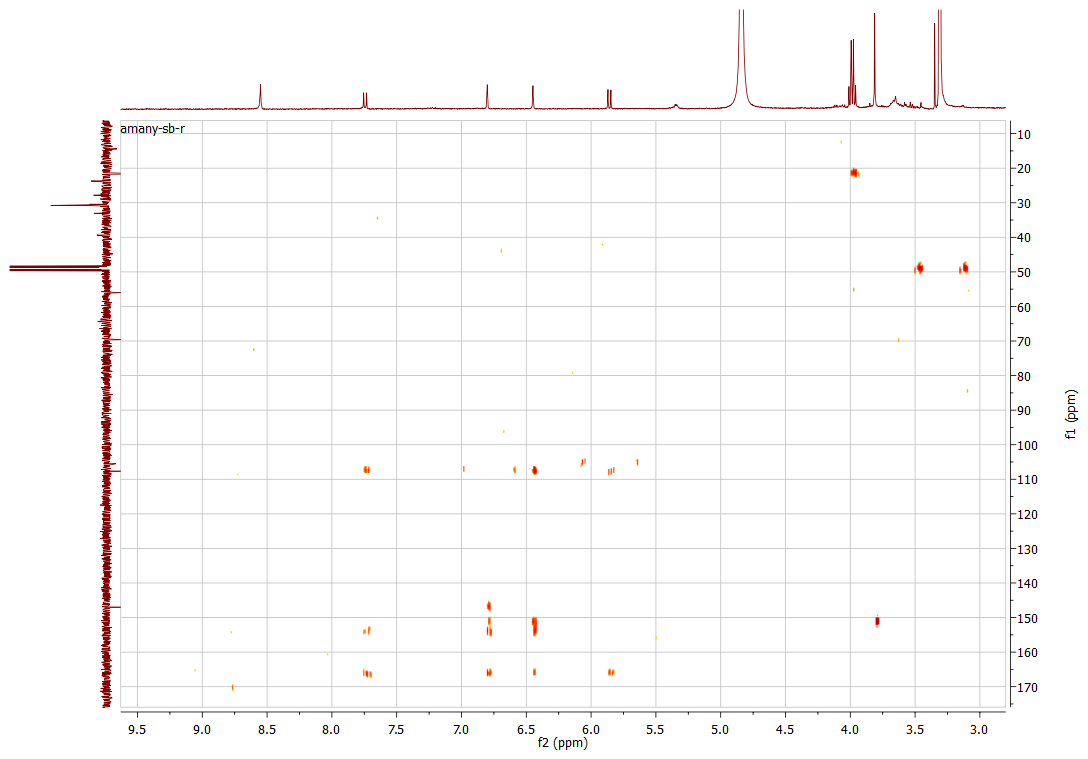
**Fig. S3b:** 1H NMR spectrum of scopoletin (**4**)



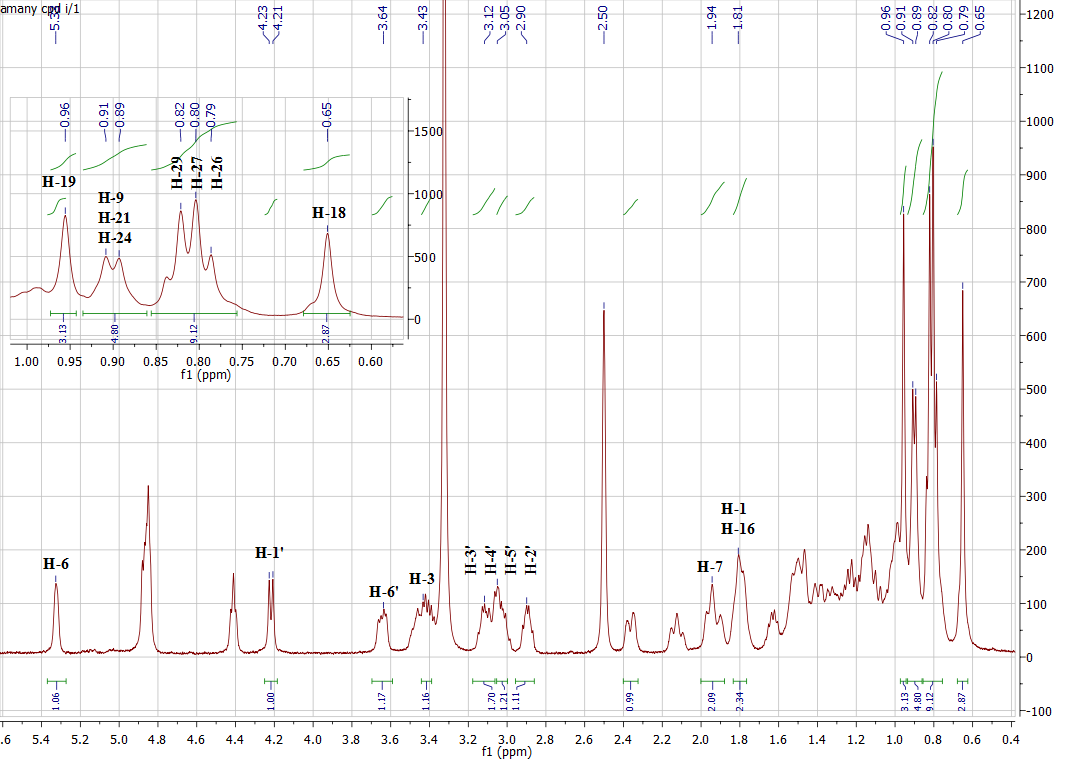
**Fig. S3c:** APT spectrum of scopoletin (**4**)



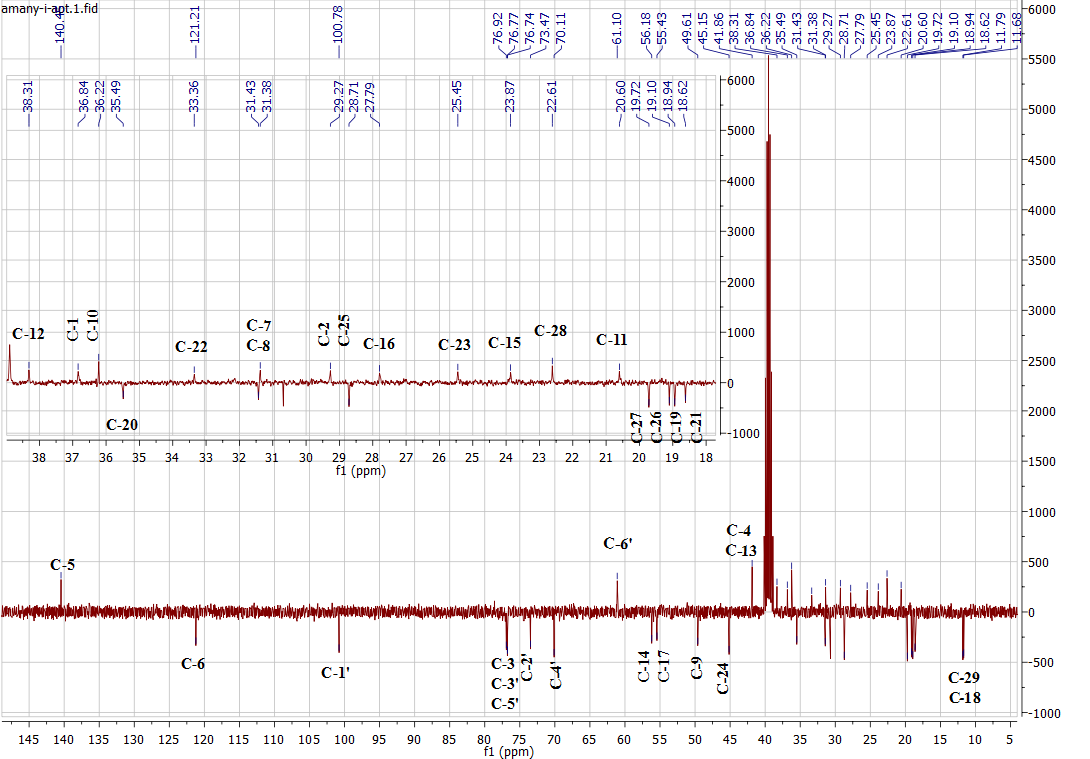
**Fig. S3d:** HSQC spectrum of scopoletin (**4**)



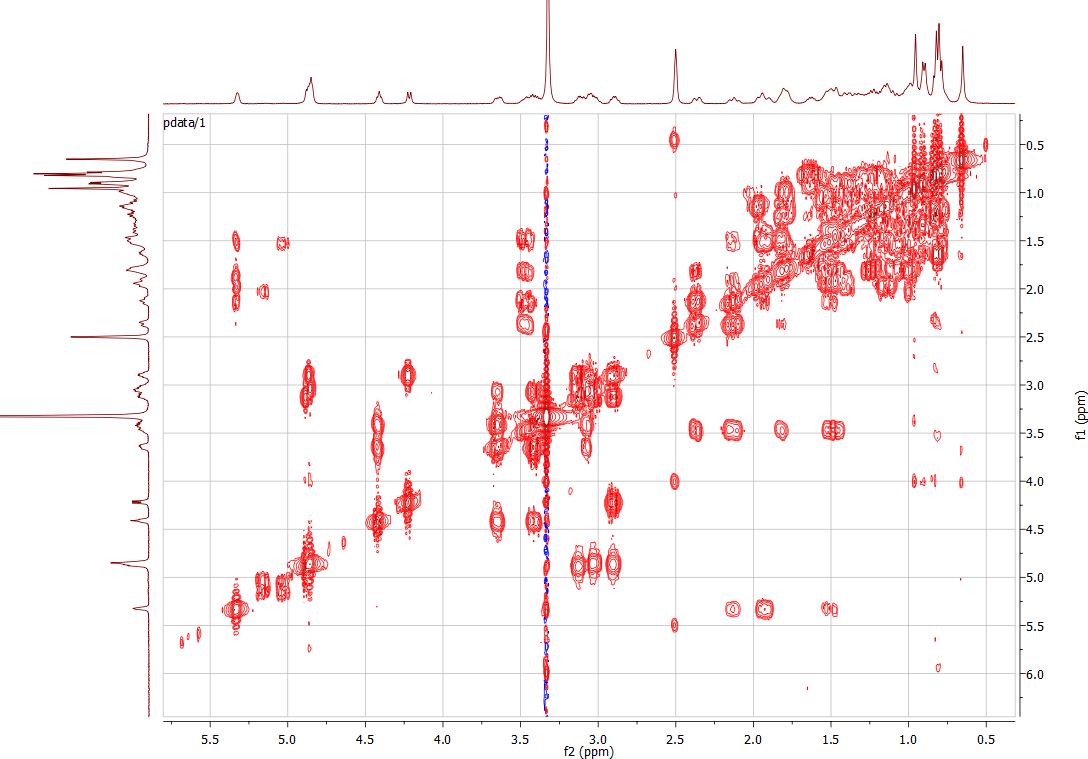
**Fig. S3e:** HMBC spectrum of scopoletin (**4**)



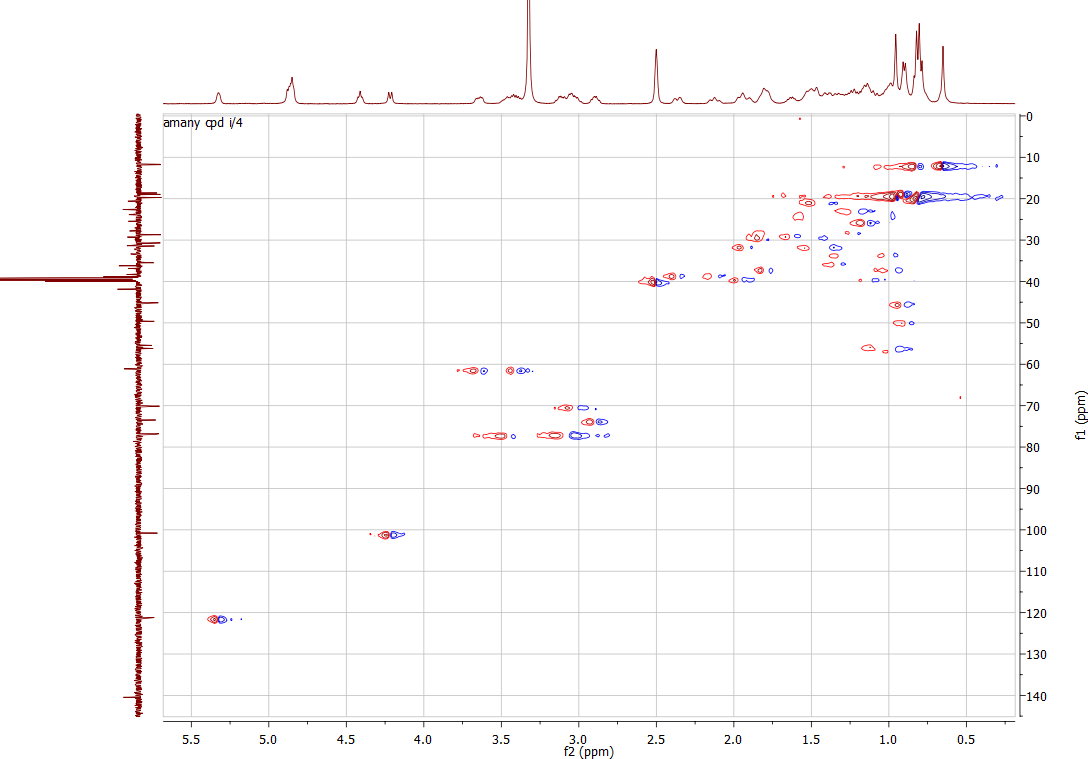
**Fig. S4a:** 1H NMR spectrum of *β*-sitosterol-3-*O*-*β*-D-glucoside (**5**)

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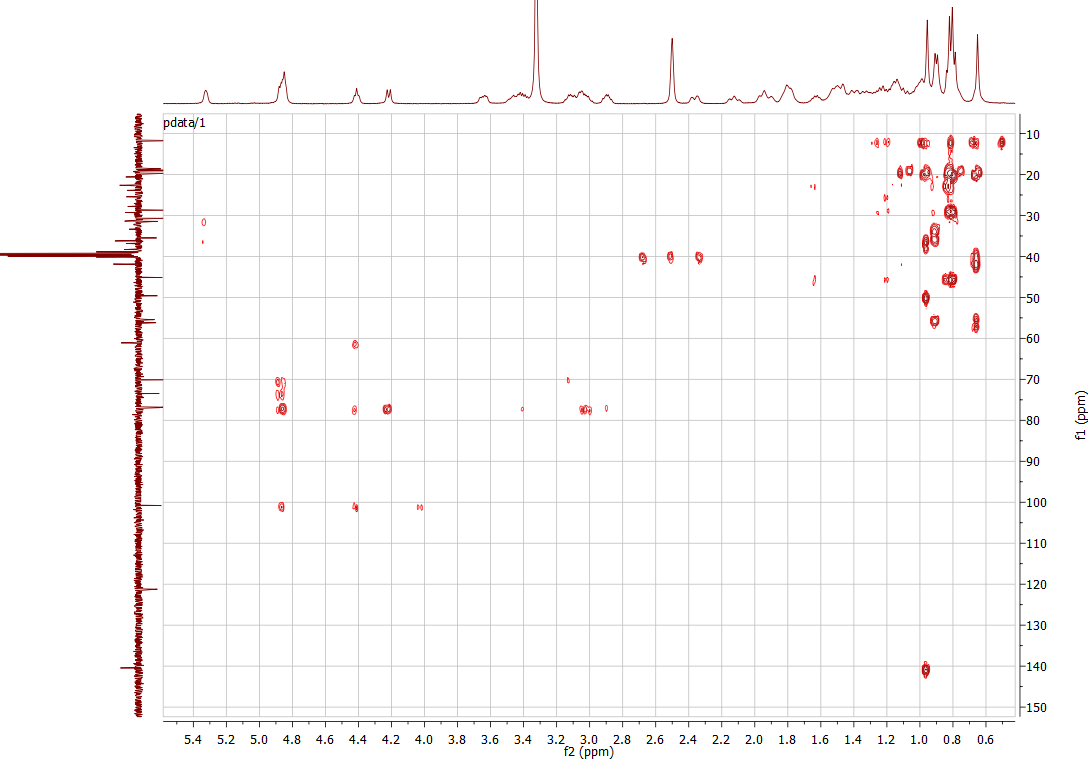
**Fig. S4b:** APT spectrum of *β*-sitosterol-3-*O*-*β*-D-glucoside (**5**)

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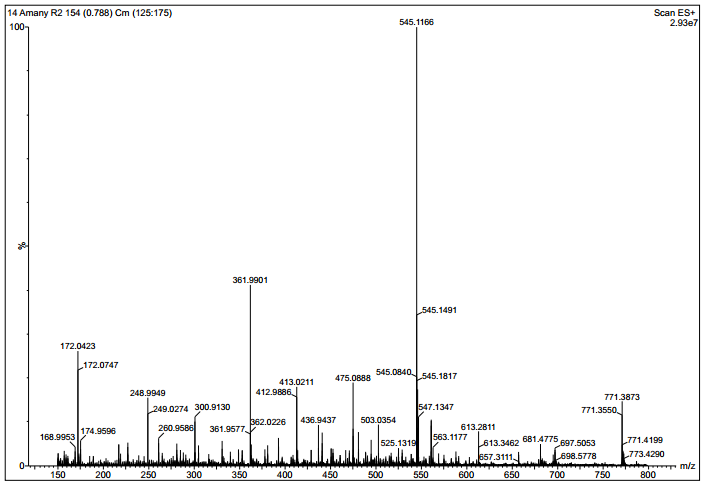
**Fig. S4c:** 1H,1H COSY spectrum of *β*-sitosterol-3-*O*-*β*-D-glucoside (**5**)

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**Fig. S4d:** HSQC spectrum of *β*-sitosterol-3-*O*-*β*-D-glucoside (**5**)

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**Fig. S4e:** HMBC spectrum of *β*-sitosterol-3-*O*-*β*-D-glucoside (**5**)

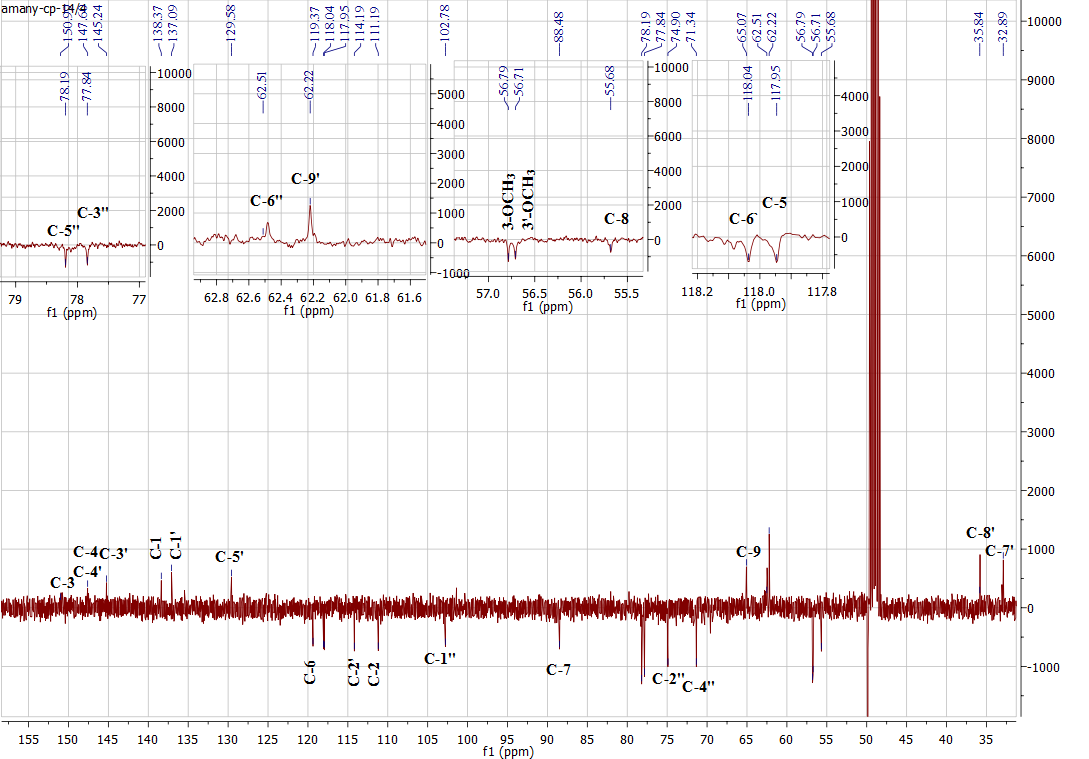


**[M + Na]+**

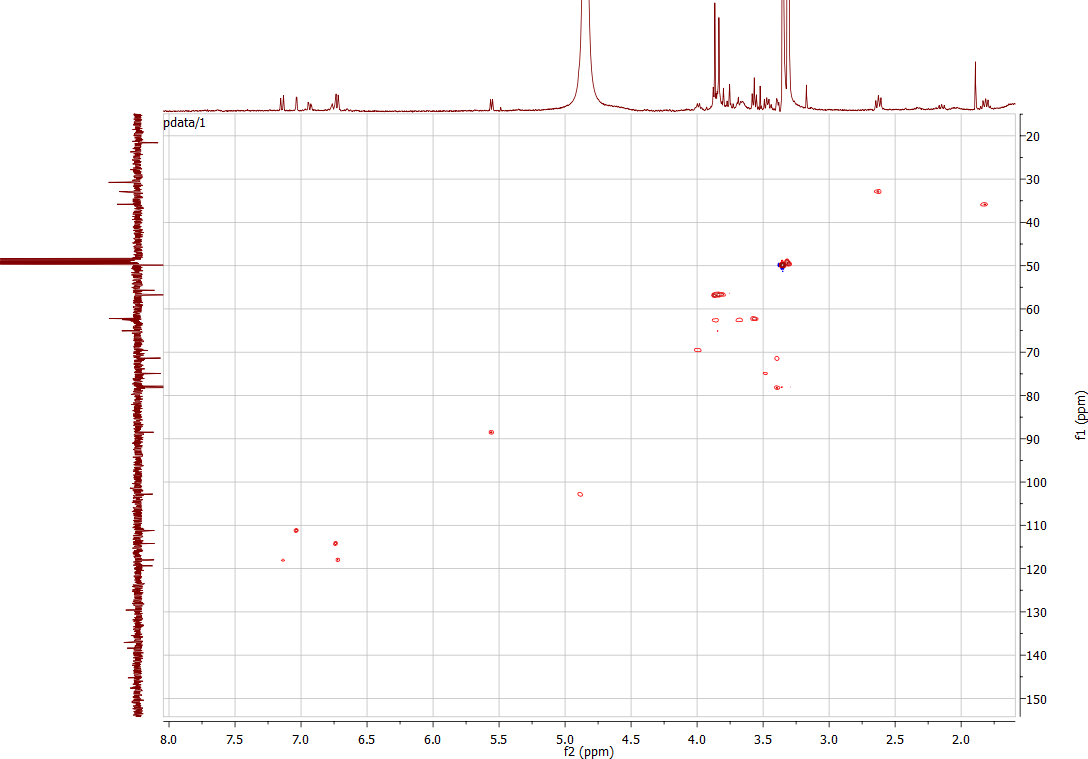
**Fig. S5a:** ESI+-MS spectrum of dihydrodehydrodiconiferyl alcohol 4-*O*-*β*-D-glucoside (**6**)

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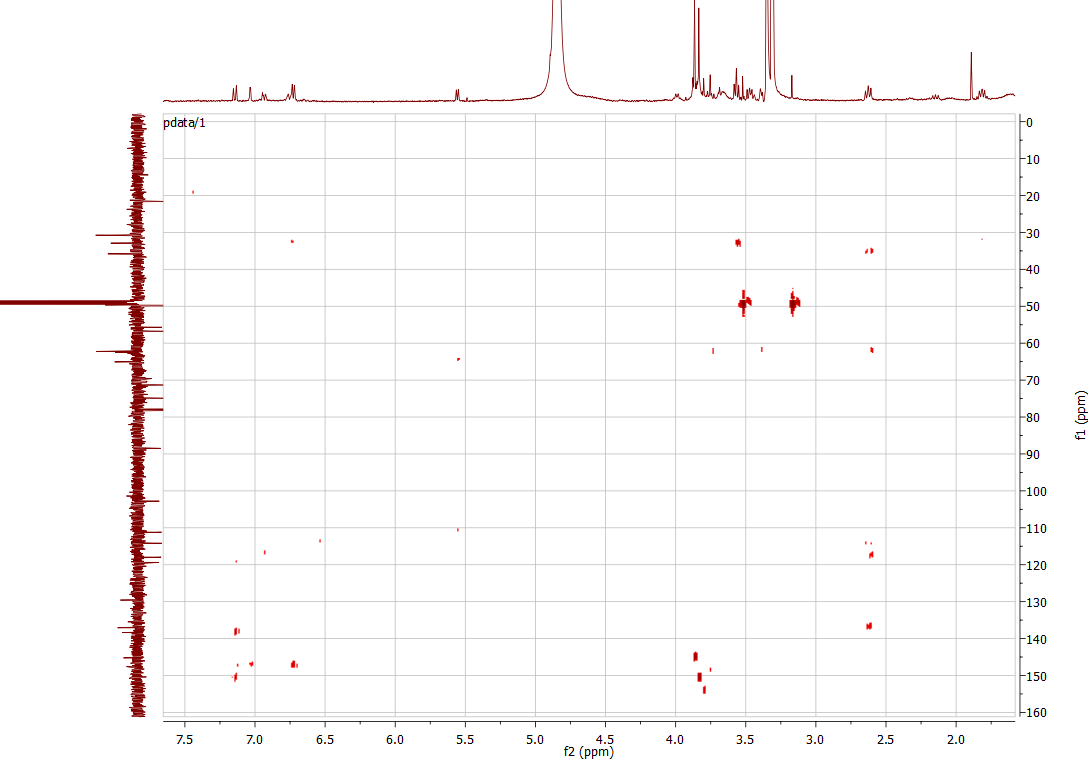
**Fig. S5b:** 1H NMR spectrum of dihydrodehydrodiconiferyl alcohol 4-*O*-*β*-D-glucoside (**6**)

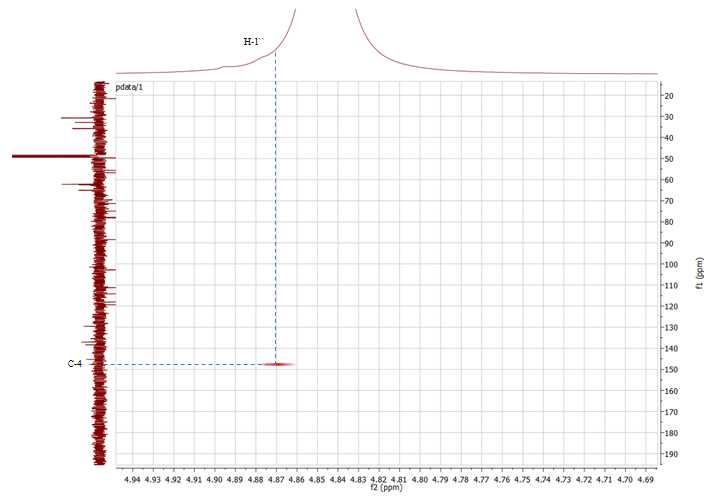
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**Fig. S5c:** APT spectrum of dihydrodehydrodiconiferyl alcohol 4-*O*-*β*-D-glucoside (**6**)

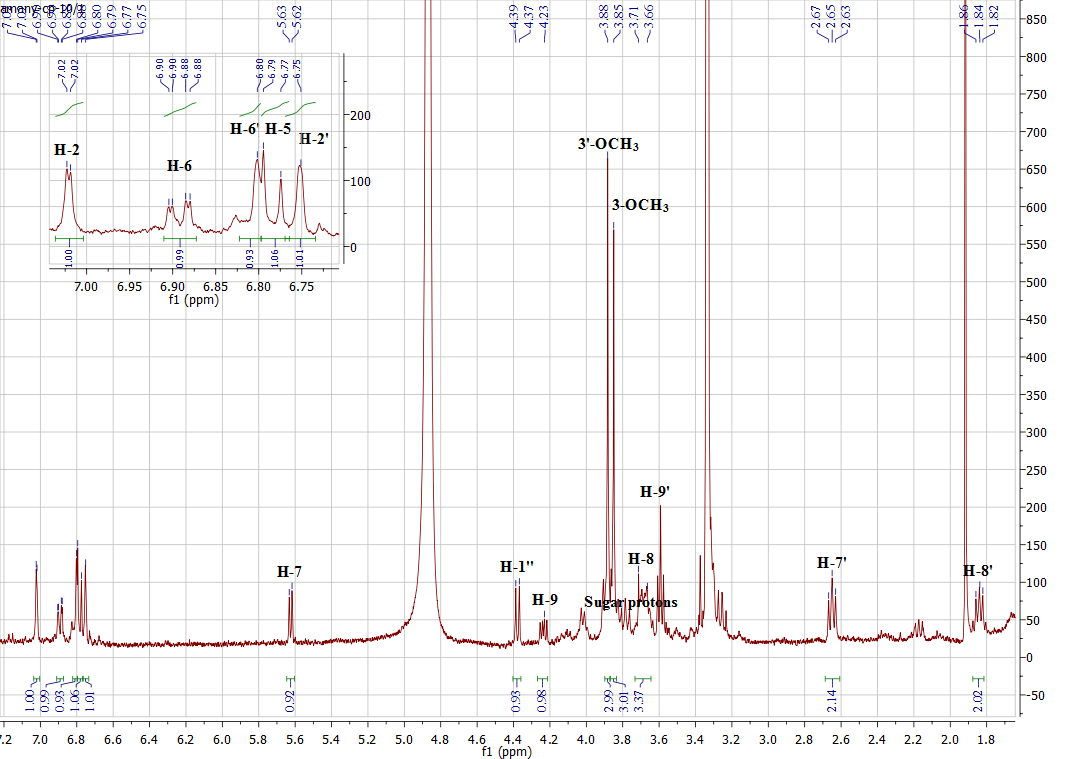
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**Fig. S5d:** HSQC spectrum of dihydrodehydrodiconiferyl alcohol 4-*O*-*β*-D-glucoside (**6**)

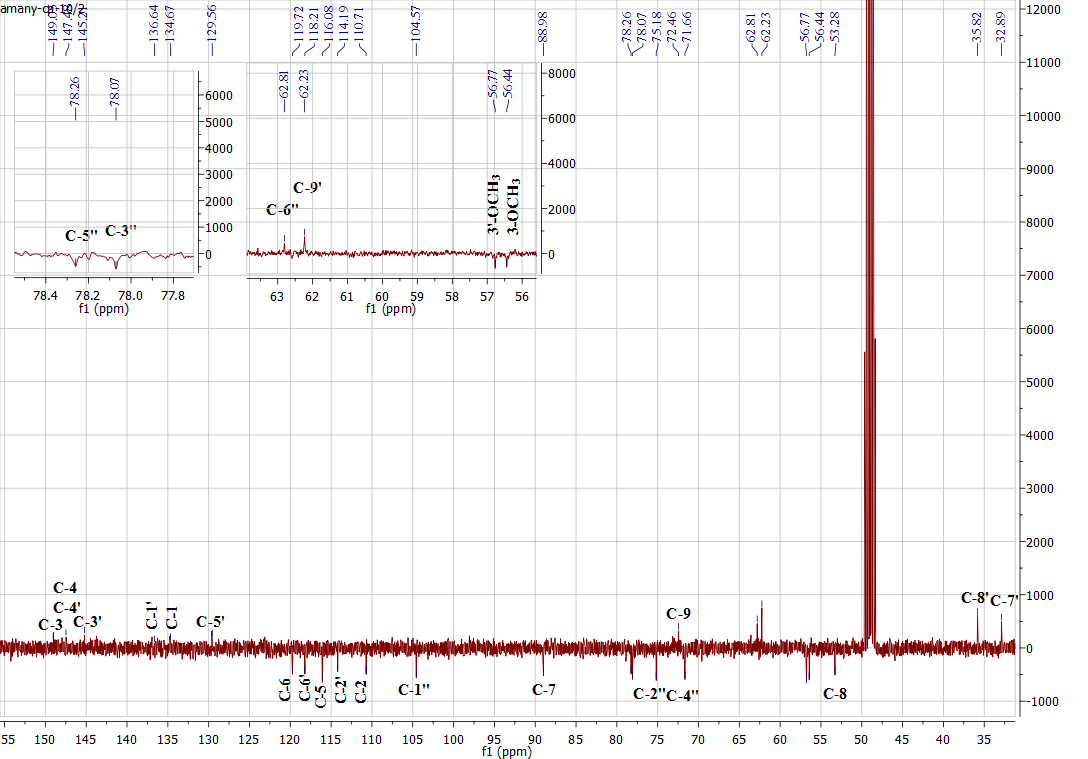
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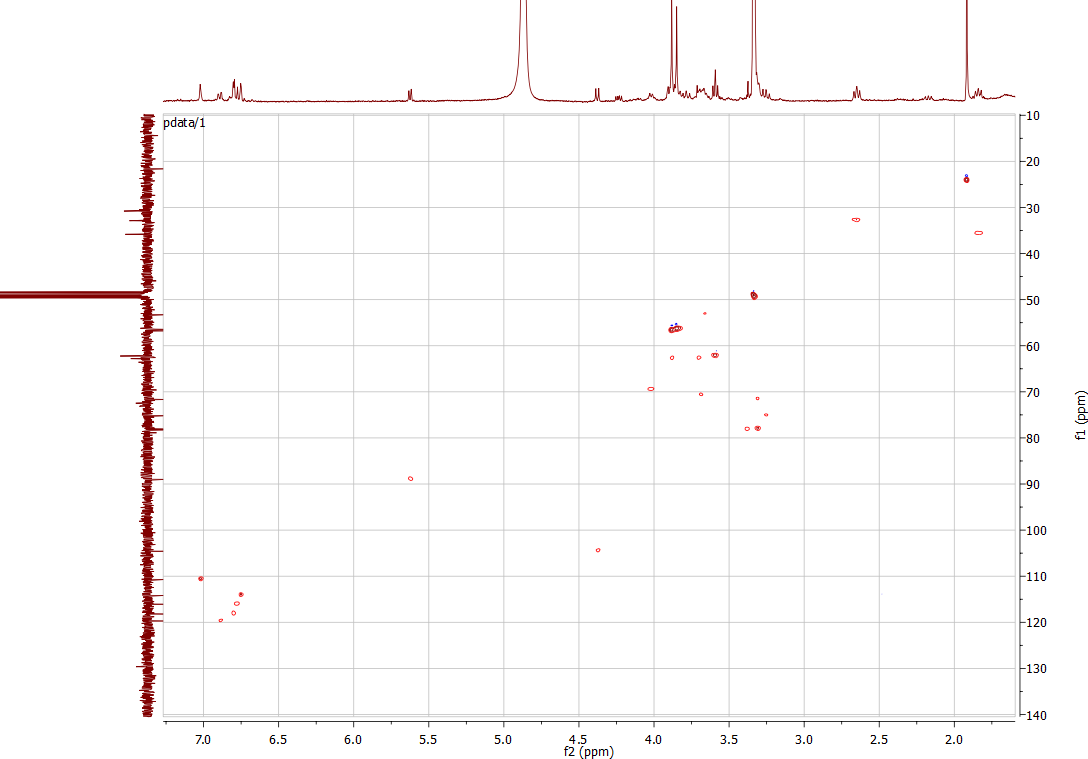
**Fig. S5e:** HMBC spectrum of dihydrodehydrodiconiferyl alcohol 4-*O*-*β*-D-glucoside (**6**)



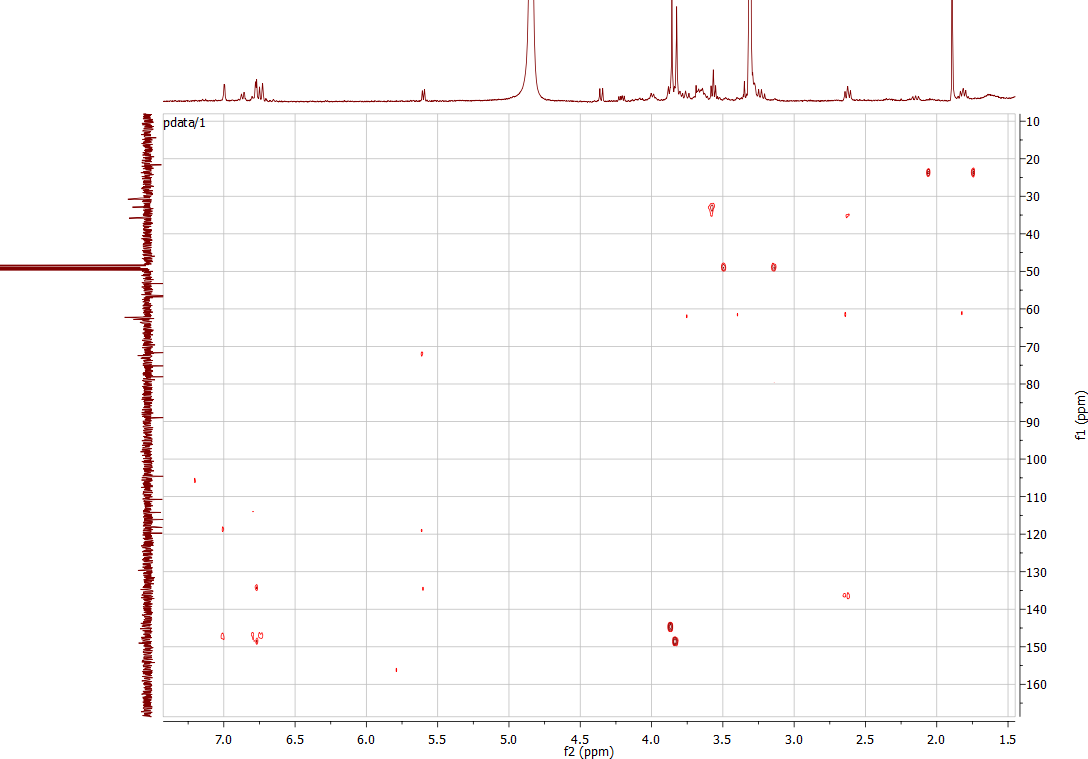
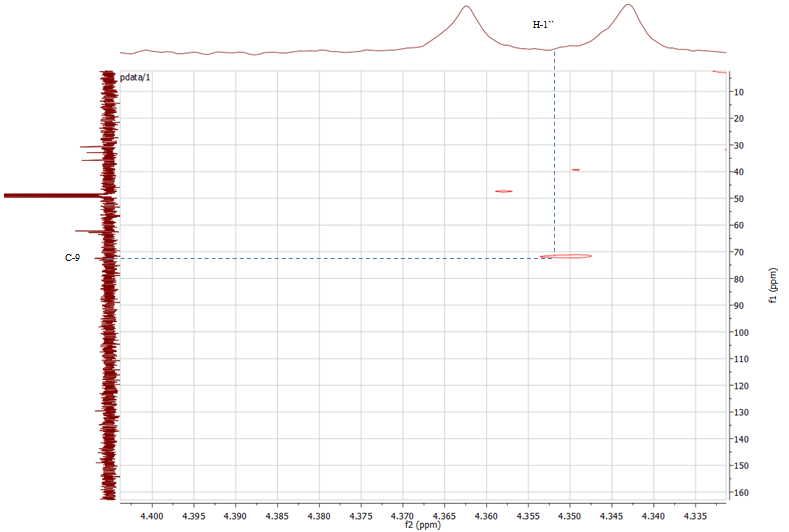
**Fig. S6a:** 1H NMR spectrum of dihydrodehydrodiconiferyl alcohol 9-*O*-*β*-D-glucoside (**7**)

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**Fig. S6b:** APT spectrum of dihydrodehydrodiconiferyl alcohol 9-*O*-*β*-D-glucoside (**7**)

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**Fig. S6c:** HSQC spectrum of dihydrodehydrodiconiferyl alcohol 9-*O*-*β*-D-glucoside (**7**)

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**Fig. S6d:** HMBC spectrum of dihydrodehydrodiconiferyl alcohol 9-*O*-*β*-D-glucoside (**7**)