

Supplementary Information

**Preparative separation of mangiferin glycosides by high speed counter
current chromatography and comparison of their antioxidant and
antitumor activities**

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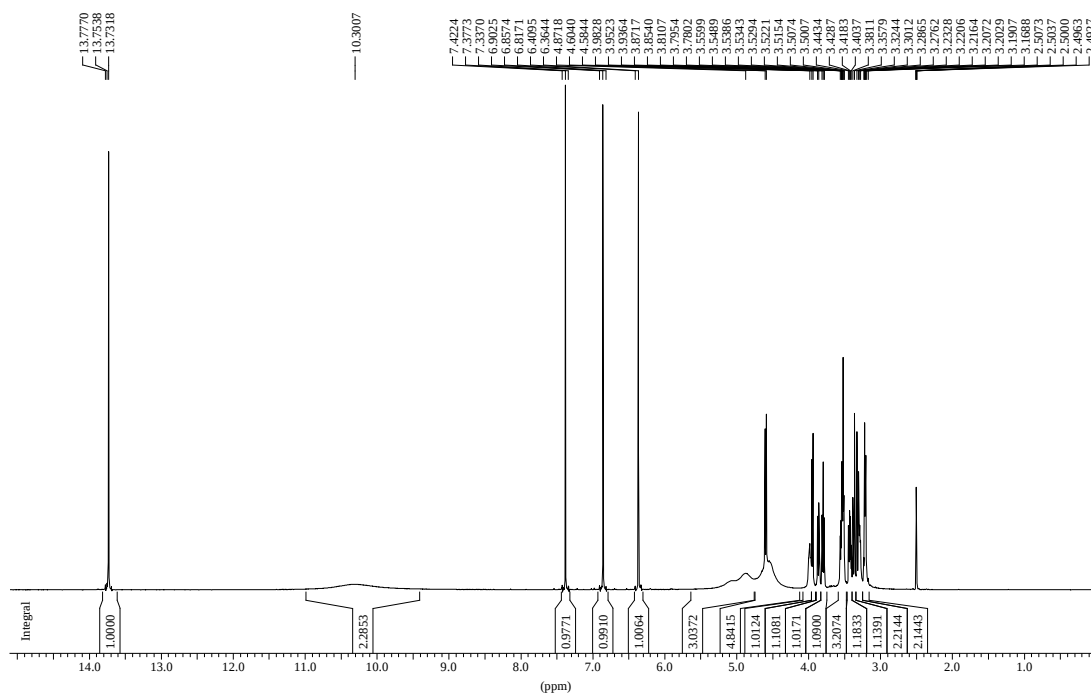


Figure S1. ^1H -NMR spectrum of β -D-fructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

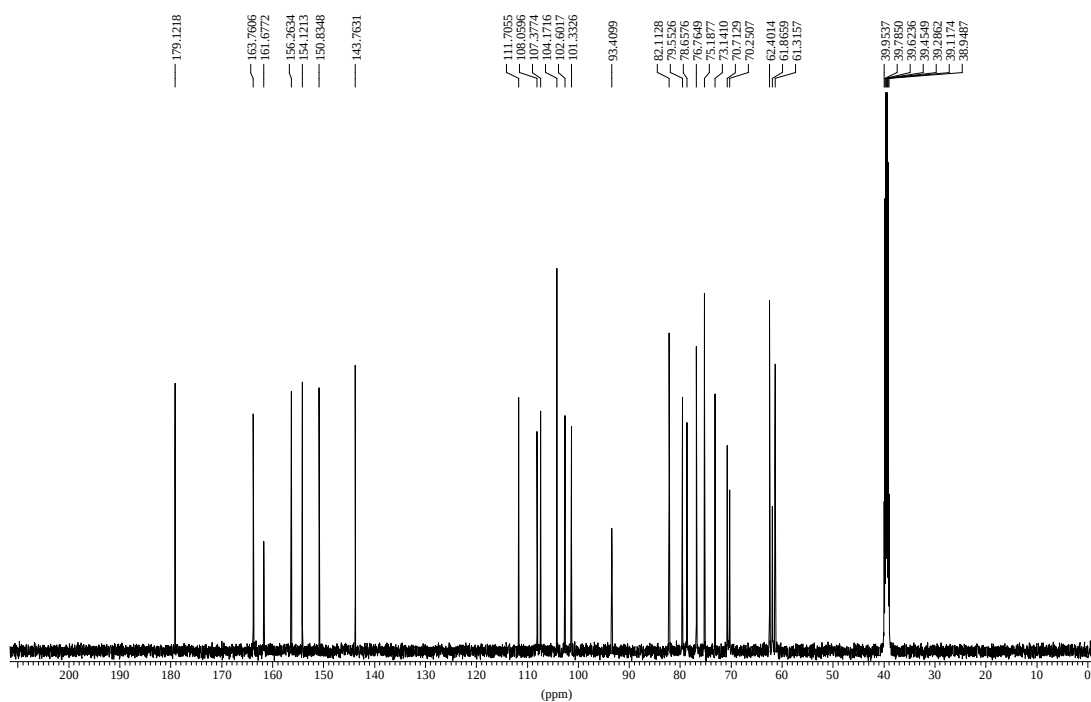


Figure S2. ^{13}C -NMR spectrum of β -D-fructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

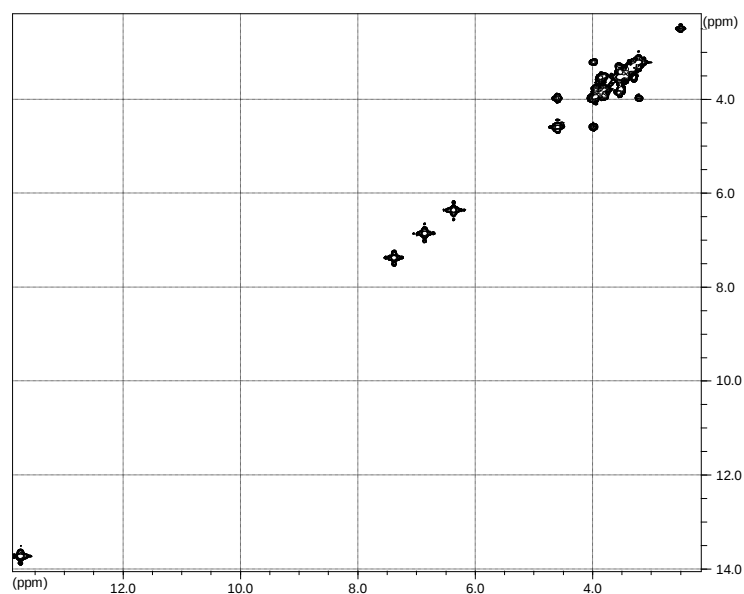


Figure S3. 2D ^1H - ^1H COSY spectrum of β -D-fructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

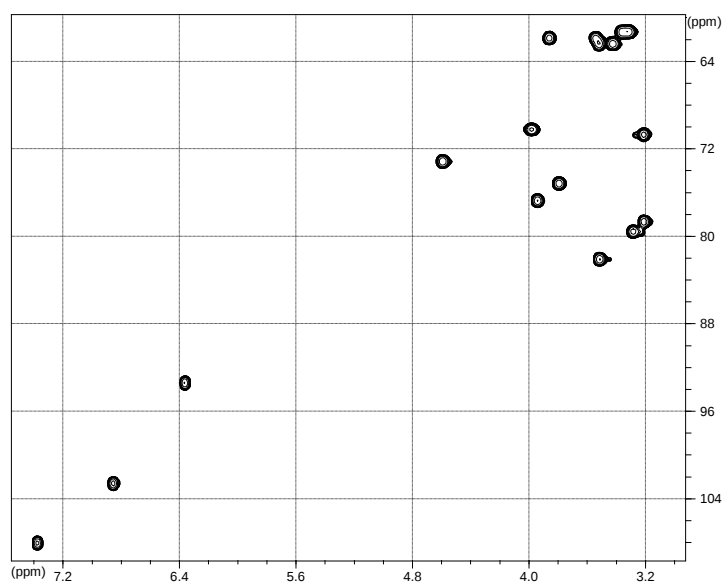


Figure S4. 2D ^1H - ^{13}C HSQC spectrum of β -D-fructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

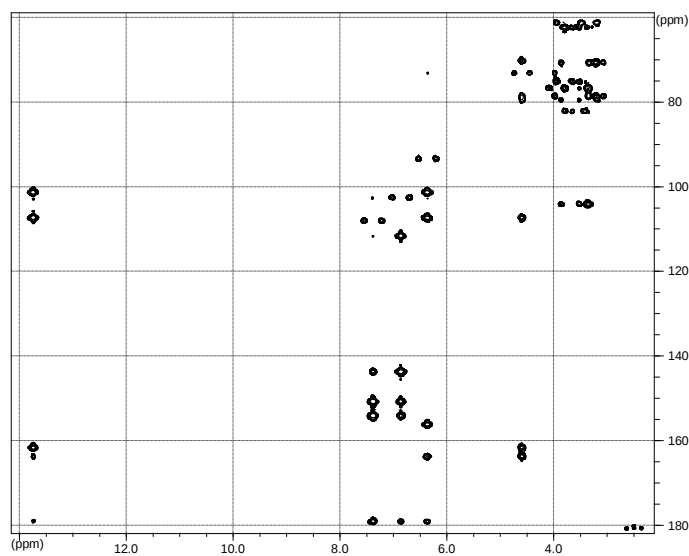


Figure S5. 2D ^1H - ^{13}C HMBC spectrum of β -D-fructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

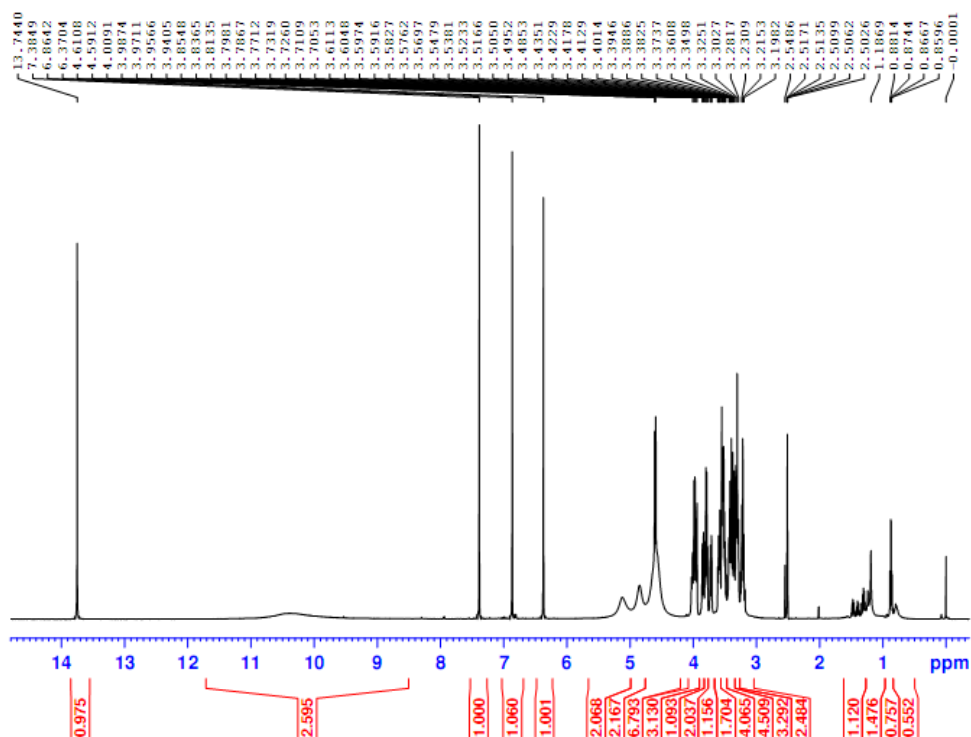


Figure S6. ^1H -NMR spectrum of β -D-difructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

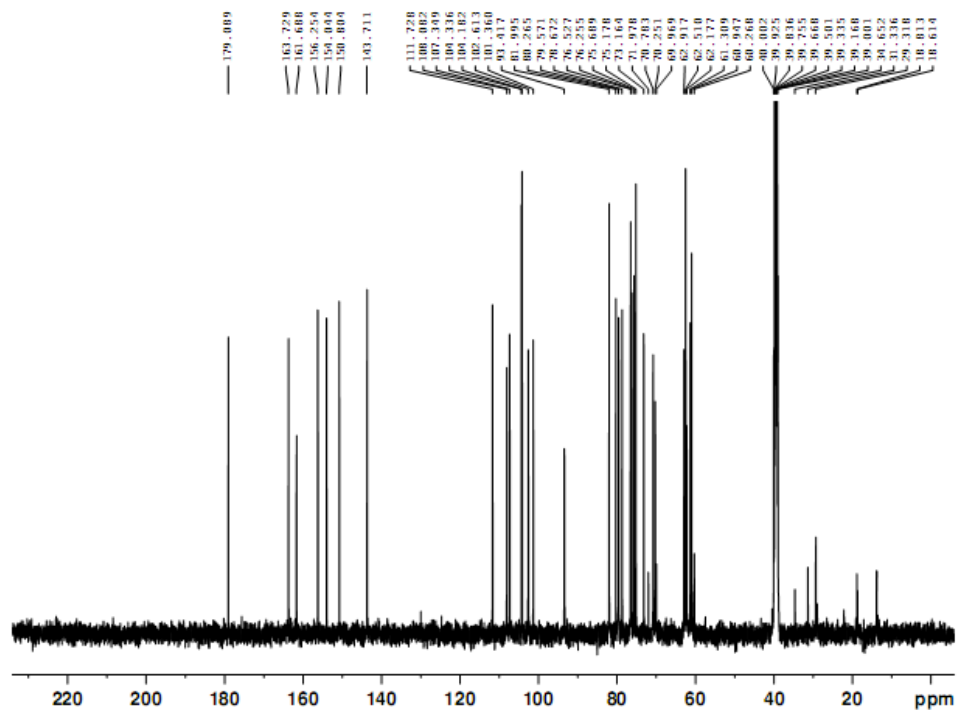


Figure S7. ^{13}C -NMR spectrum of β -D-difructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

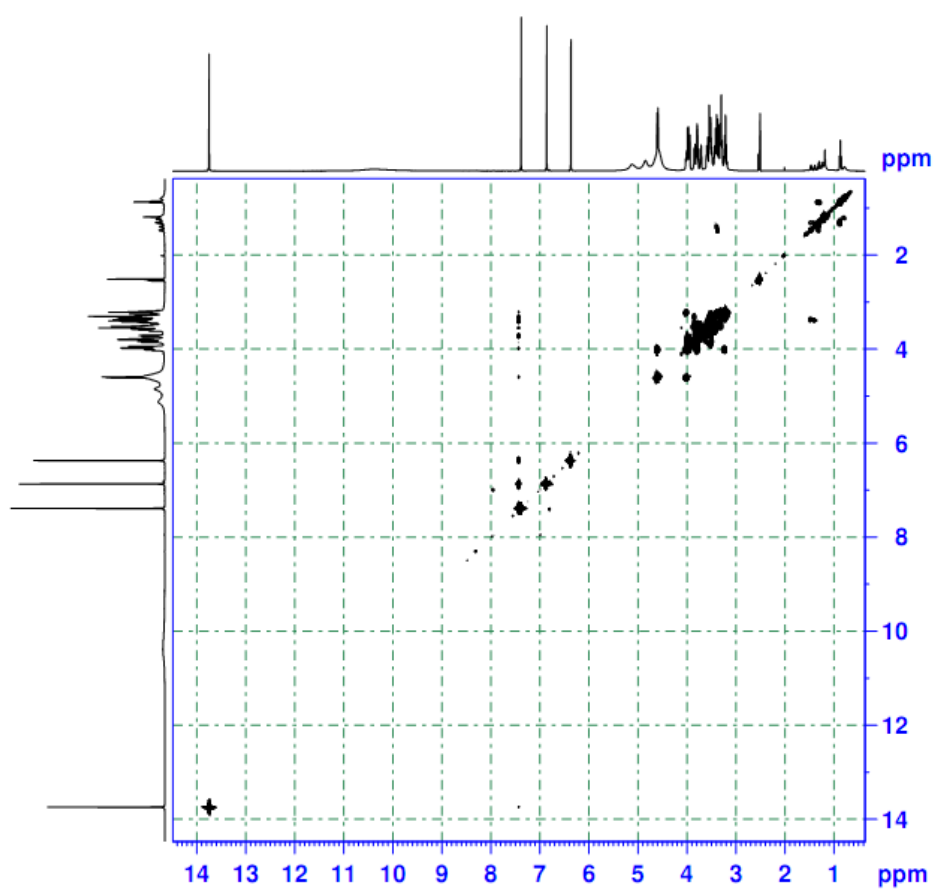


Figure S8. 2D ^1H - ^1H COSY spectrum of β -D-difructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

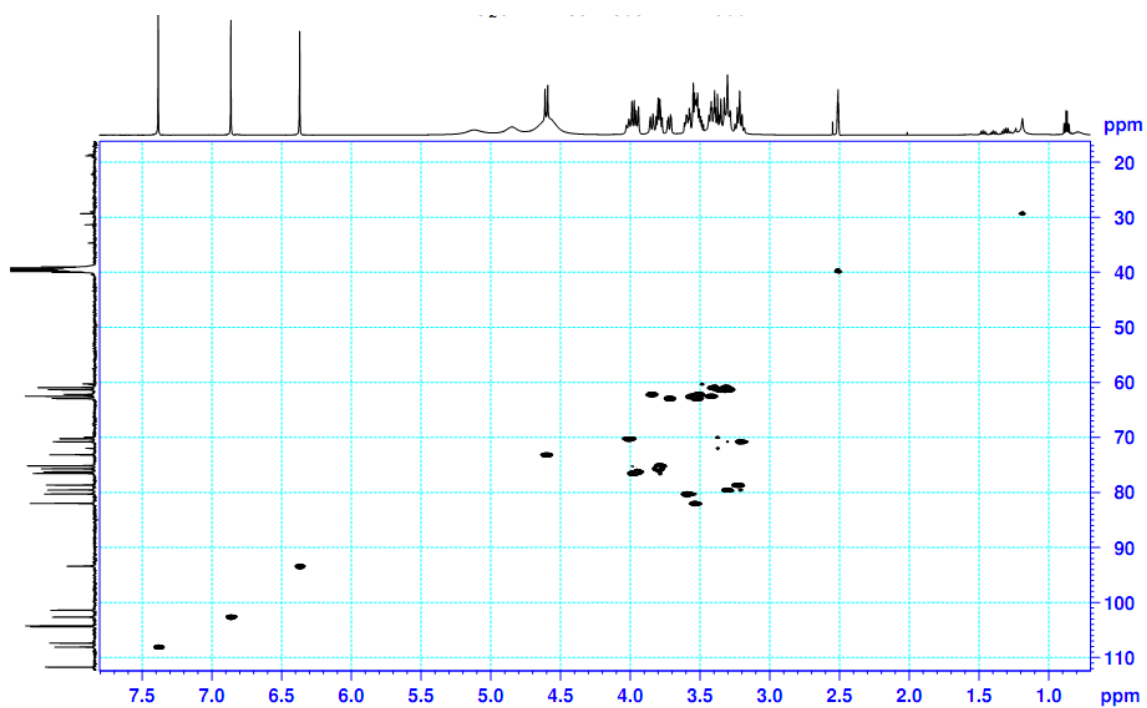


Figure S9. 2D ^1H - ^{13}C HSQC spectrum of β -D-difructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

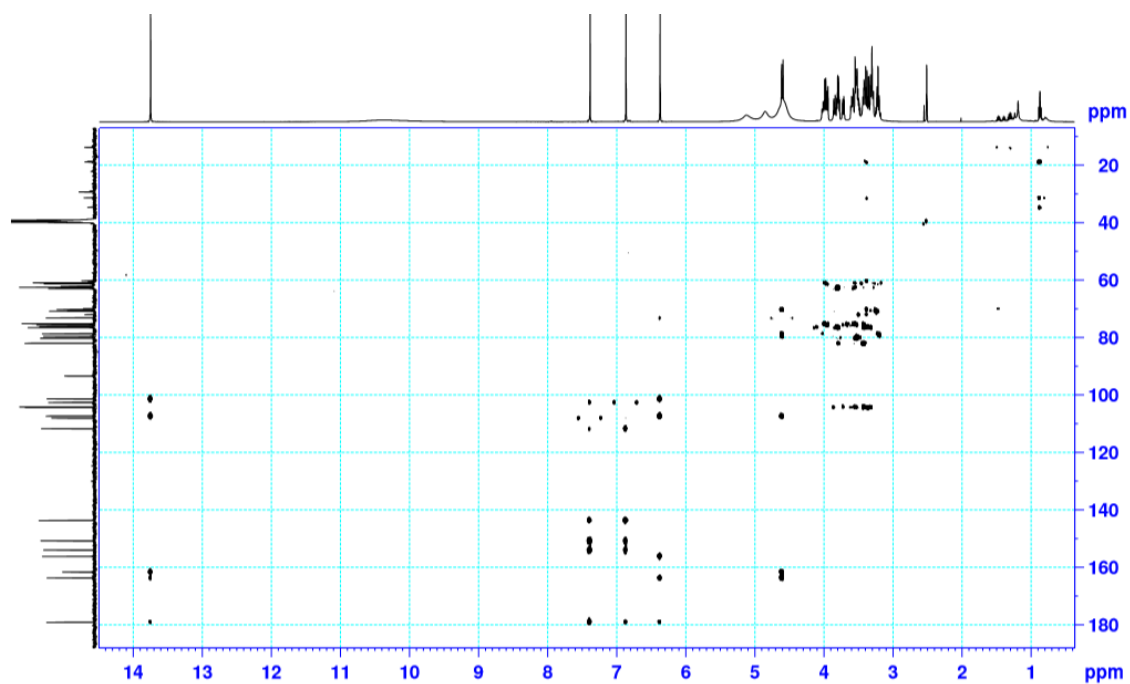


Figure S10. 2D ^1H - ^{13}C HMBC spectrum of β -D-difructofuranosyl-(2 $\rightarrow$ 6)-mangiferin.

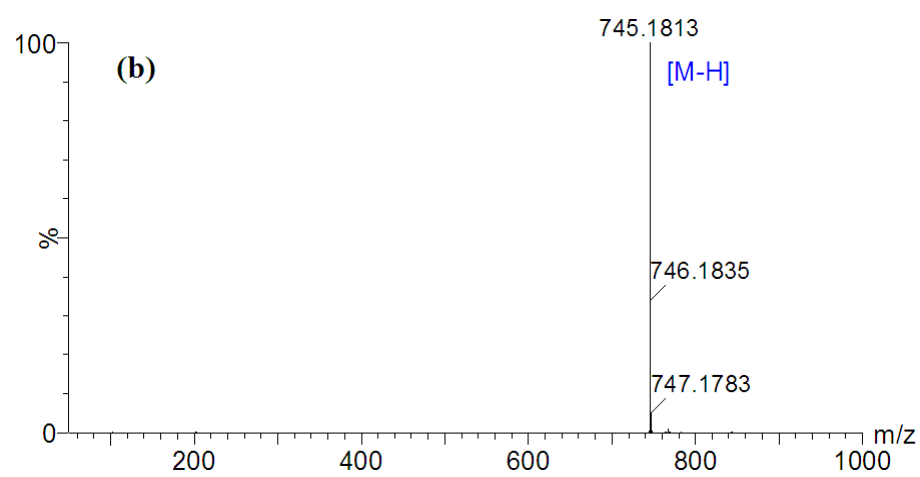
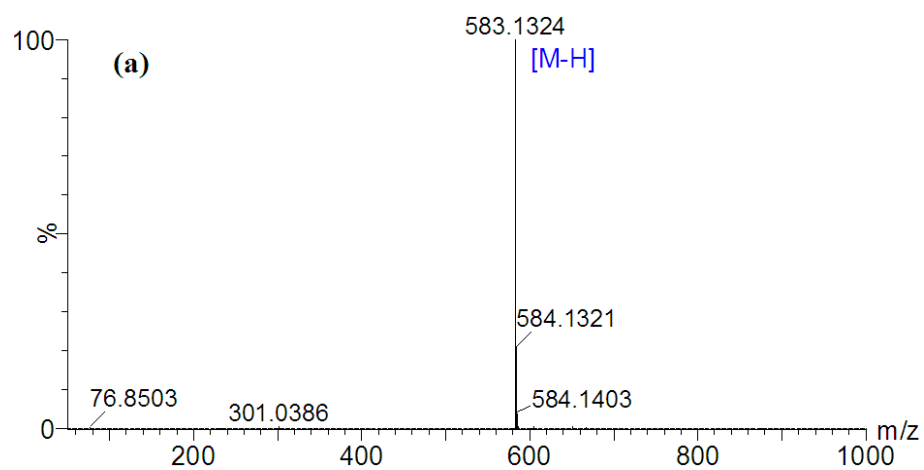


Figure S11. HRMS analysis of mangiferin glycosides.