molecules

MDPI

SUPPORTING INFORMATION

Medicarpin and Homopterocarpin Isolated from *Canavalia lineata* as Potent and Competitive Reversible Inhibitors of Human Monoamine Oxidase-B

Jong Min Oh [1], Hyun-Jae Jang [2], Myung-Gyun Kang [3], Seul-Ki Mun [1], Daeui Park [3], Su-Jin Hong [2], Min Ha Kim [4], Soo-Young Kim [4], Sung-Tae Yee [1], Hoon Kim [1,*]

[1] Department of Pharmacy, and Research Institute of Life Pharmaceutical Sciences, Sunchon National University, Suncheon 57922, Republic of Korea
[2] Natural Product Research Center, Korea Research Institute of Bioscience and Biotechnology, Cheongju, 28116, Republic of Korea
[3] Department of Predictive Toxicology, Korea Institute of Toxicology, Daejeon 34114, Republic of Korea
[4] National Institute of Biological Resources, Environmental Research Complex, Incheon 22689, Republic of Korea
* Correspondence: hoon@scnu.ac.kr (H.K.); Tel.: +82-61-750-3751

Table of Contents

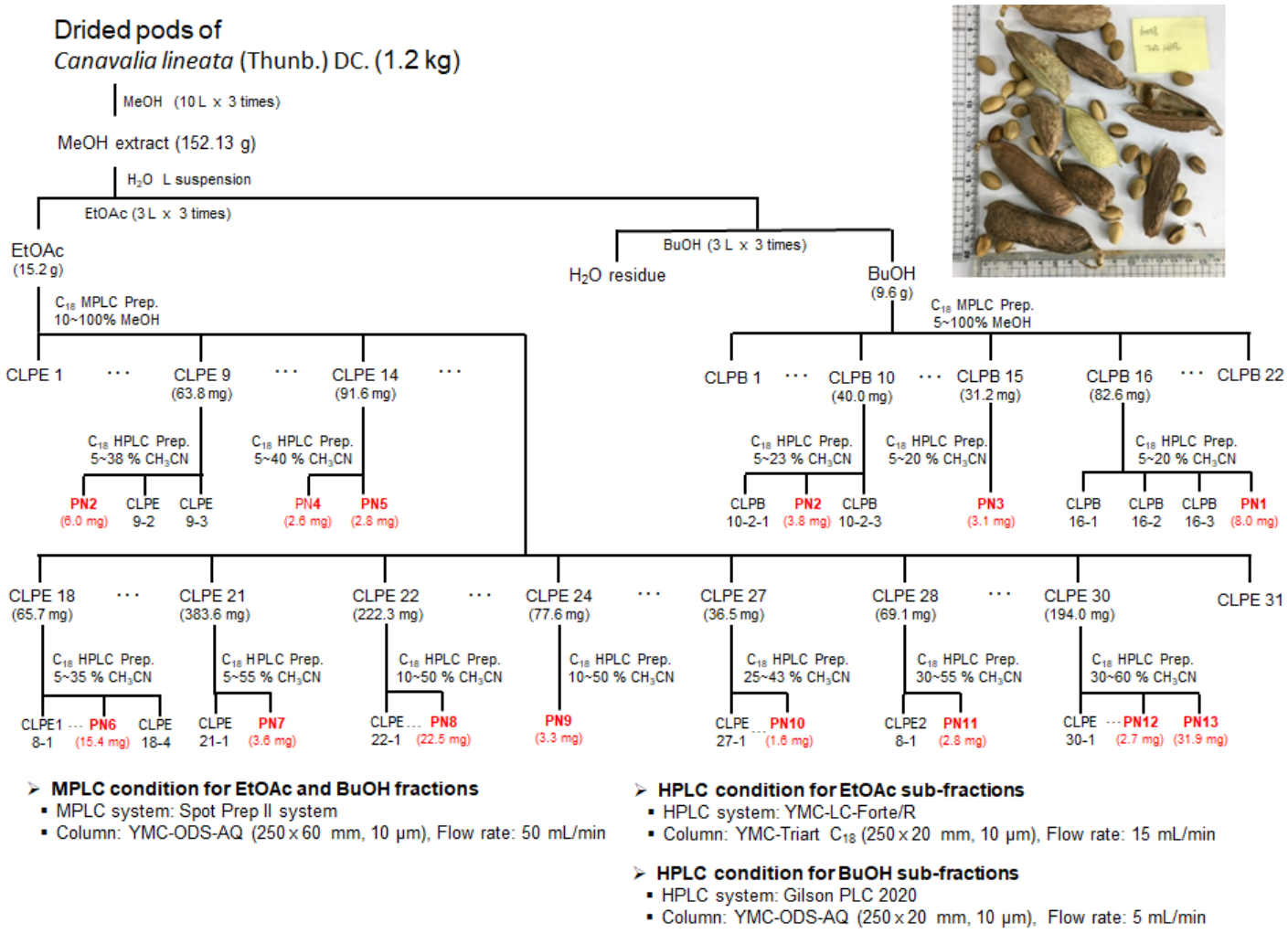

Figure S1. Separation scheme of compounds (**PN1–PN13**) from *Canavalia lineata* pods.

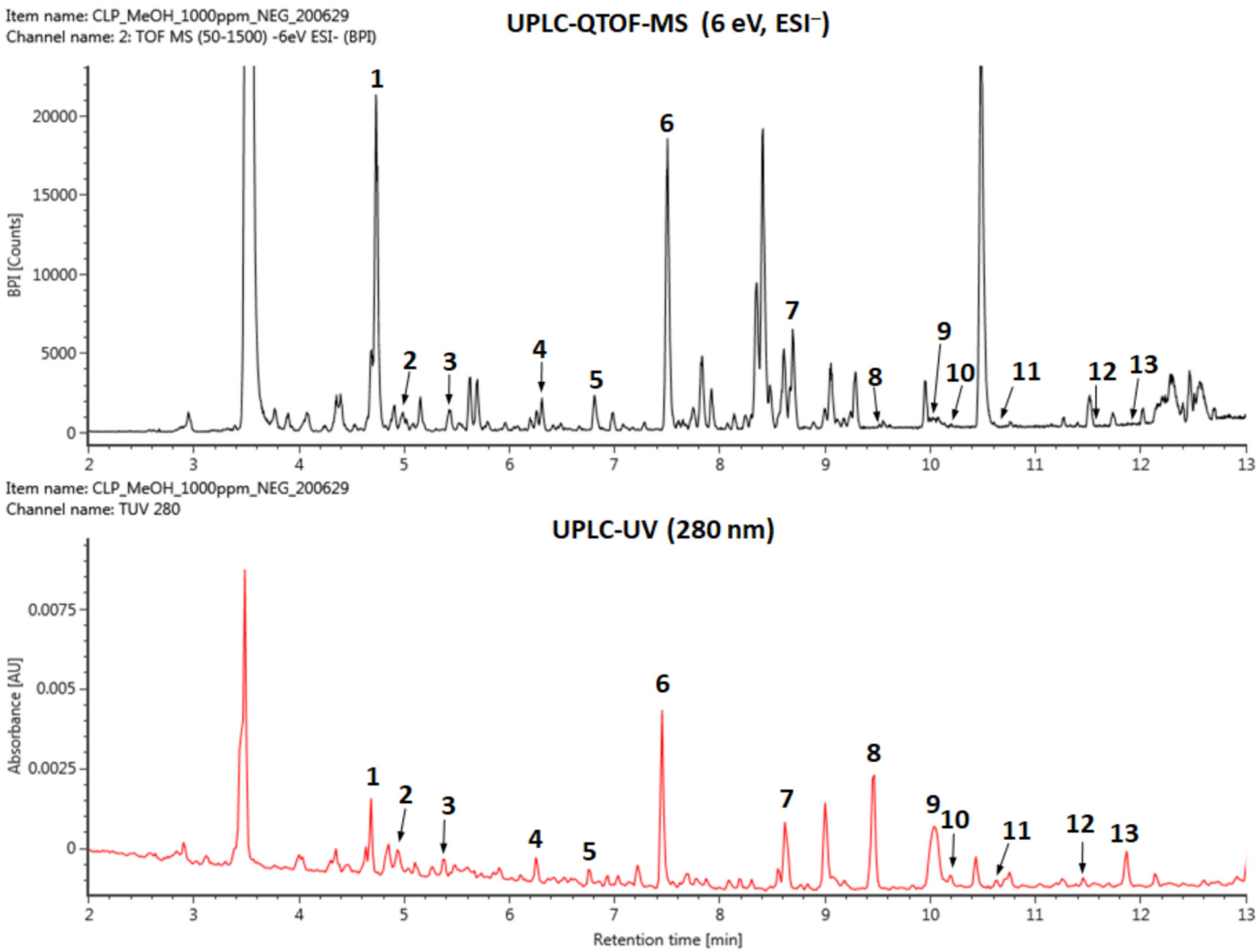

Figure S2. MS and UV chromatogram of *C. lineata* pod extract using UPLC-QTOF-MS.

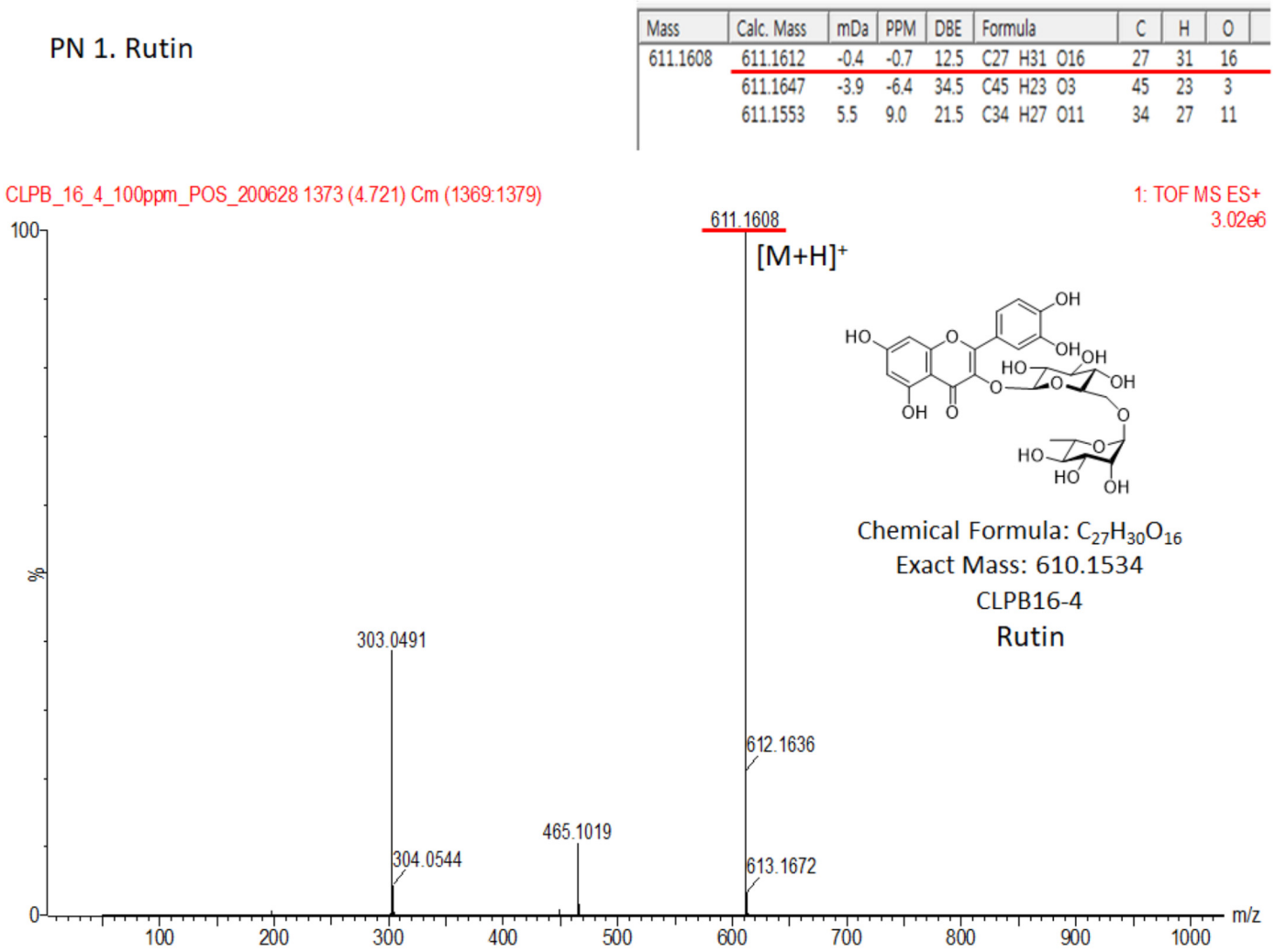

Figure S3. UPLC-QTOF-MS spectrum of rutin (**1**).

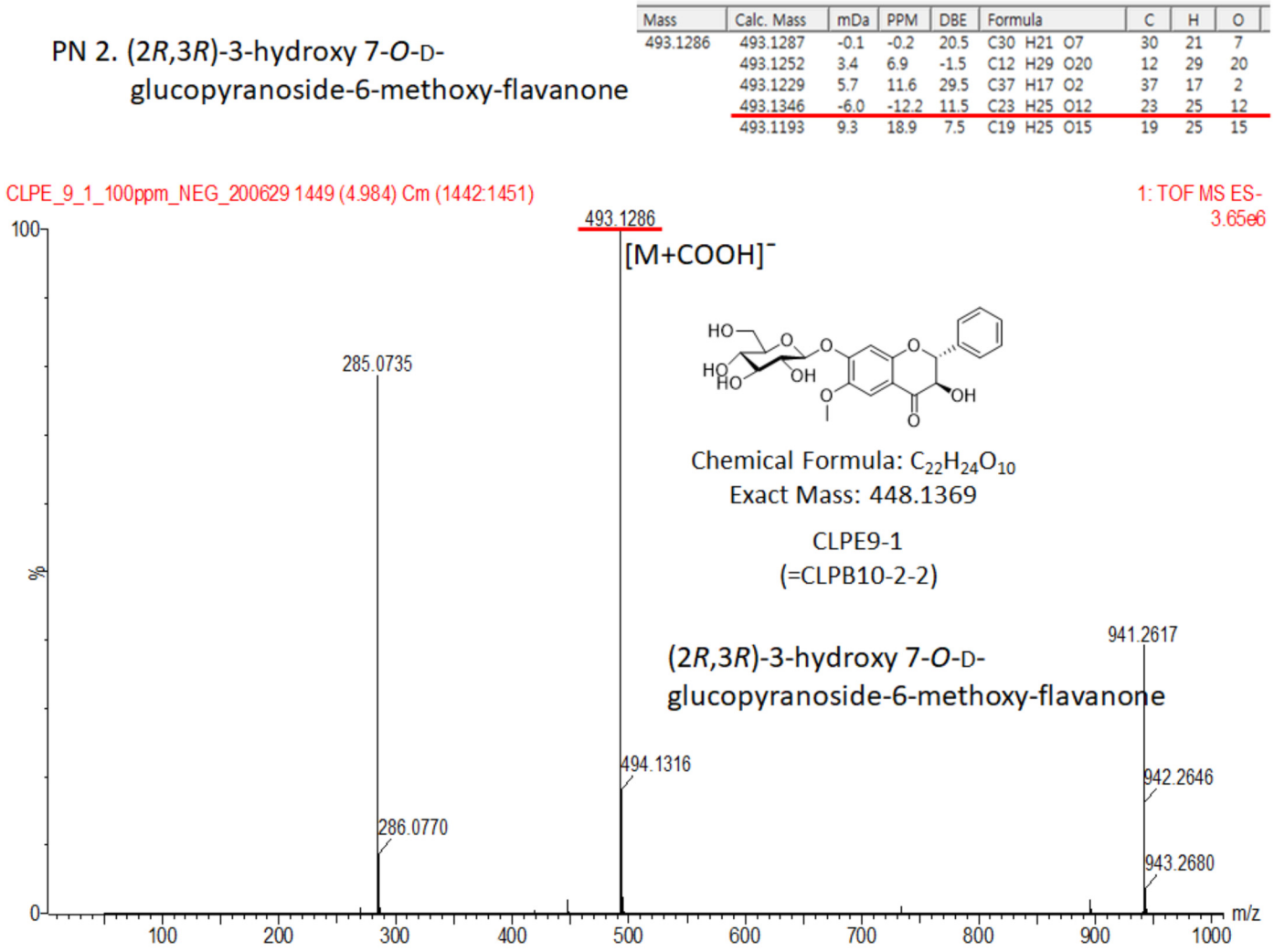

Figure S4. UPLC-QTOF-MS spectrum of (2*R*,3*R*)-3-hydroxy 7-*O*-*β*-D-glucopyranoside-6-methoxy-flavanone (**2**).

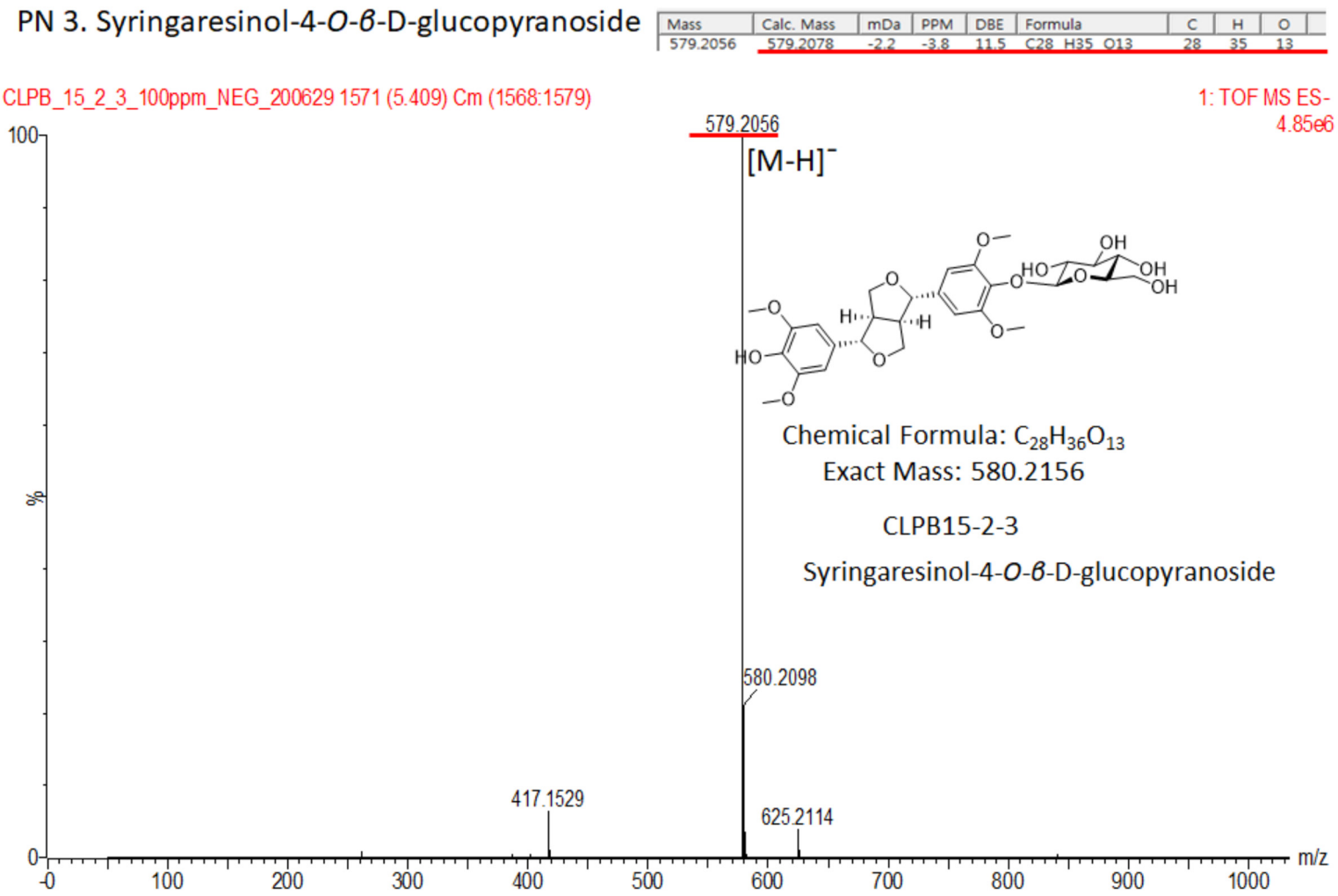

Figure S5. UPLC-QTOF-MS spectrum of (–)-syringaresinol-4-*O*-*β*-D-glucopyranoside (**3**).

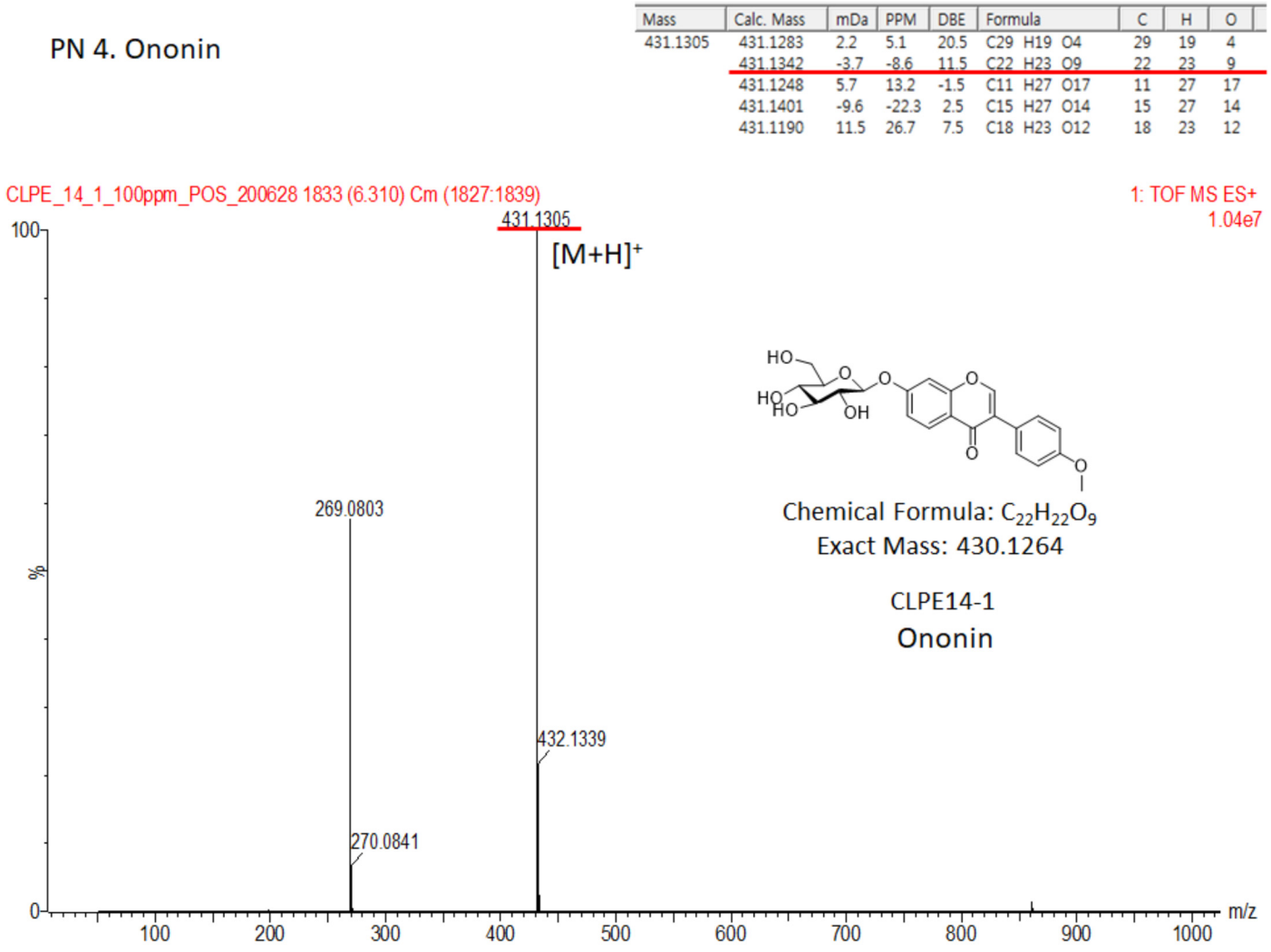

Figure S6. UPLC-QTOF-MS spectrum of ononin (**4**).

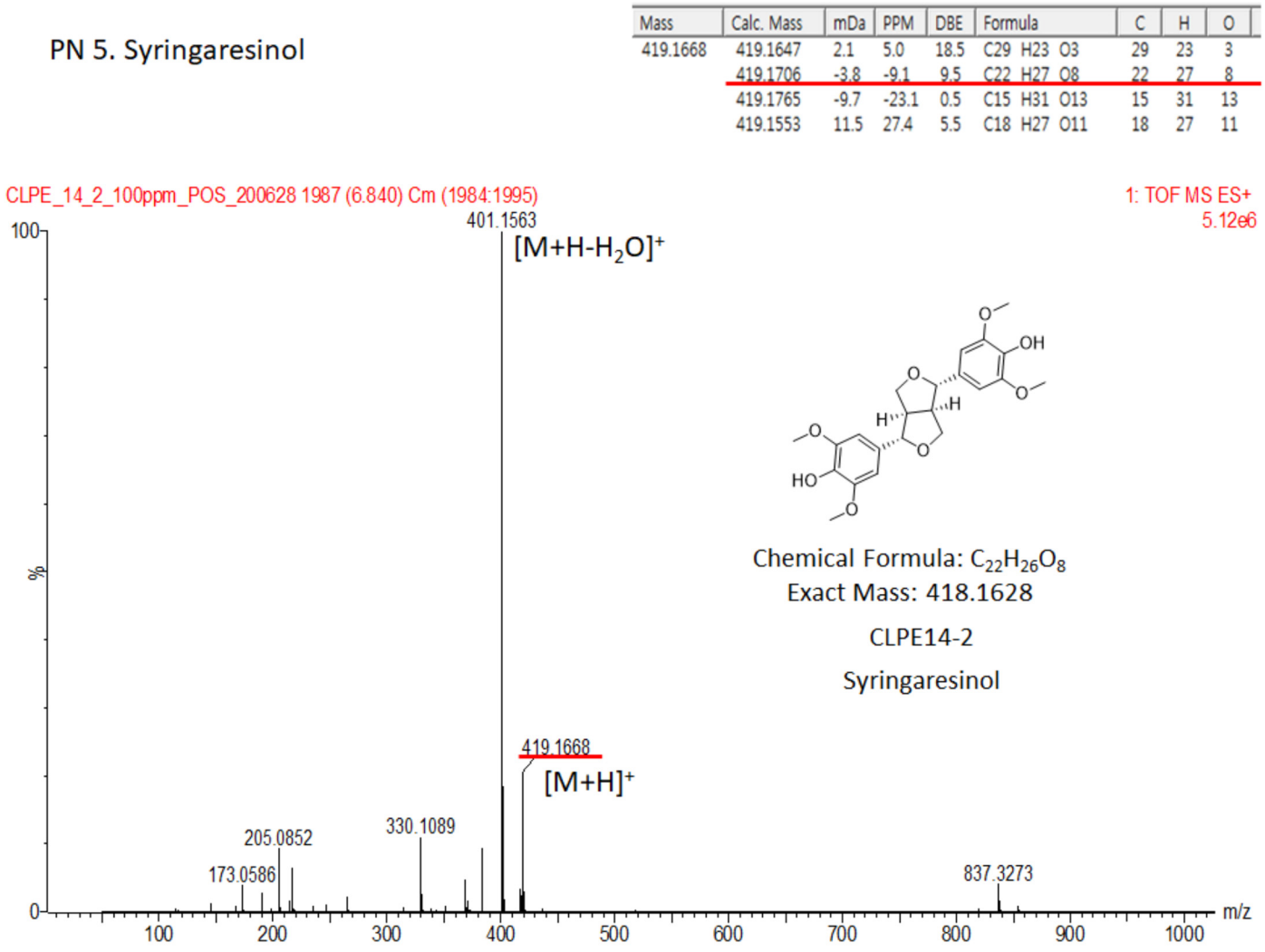

Figure S7. UPLC-QTOF-MS spectrum of syringaresinol (**5**).

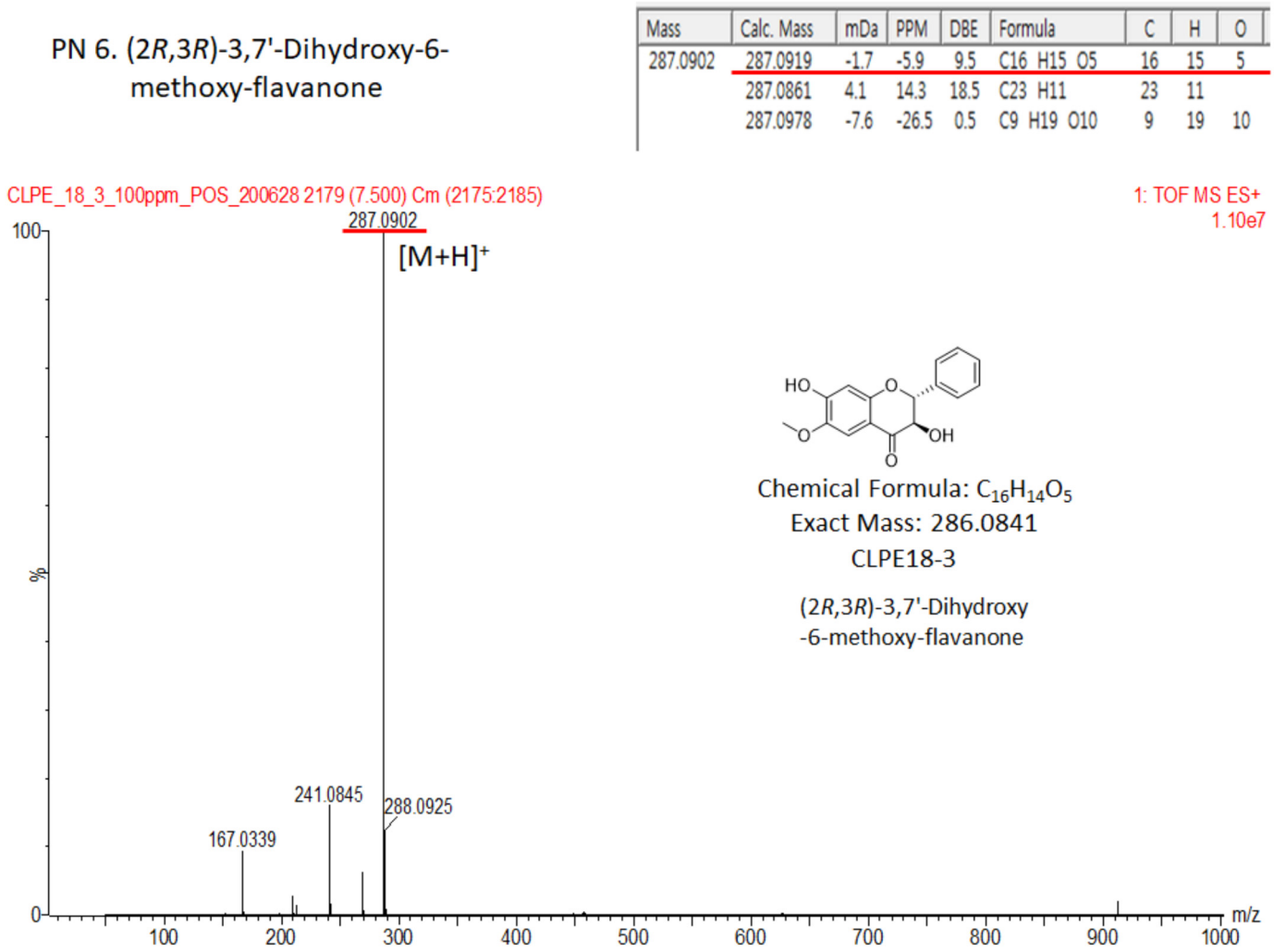

Figure S8. UPLC-QTOF-MS spectrum of (2*R*,3*R*)-3,7-dihydroxy-6-methoxyflavanone (**6**).

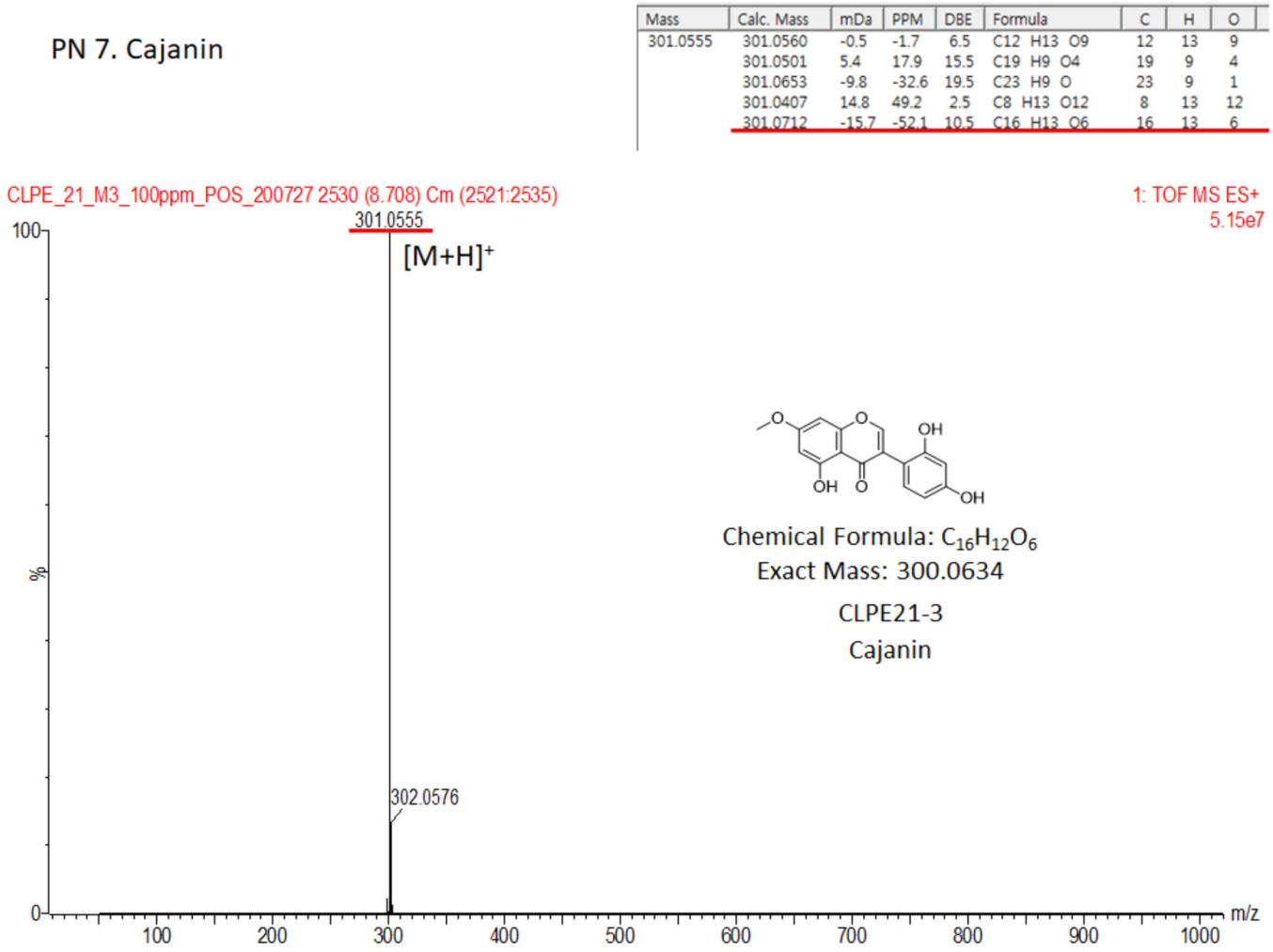

Figure S9. UPLC-QTOF-MS spectrum of cajanin (**7**).

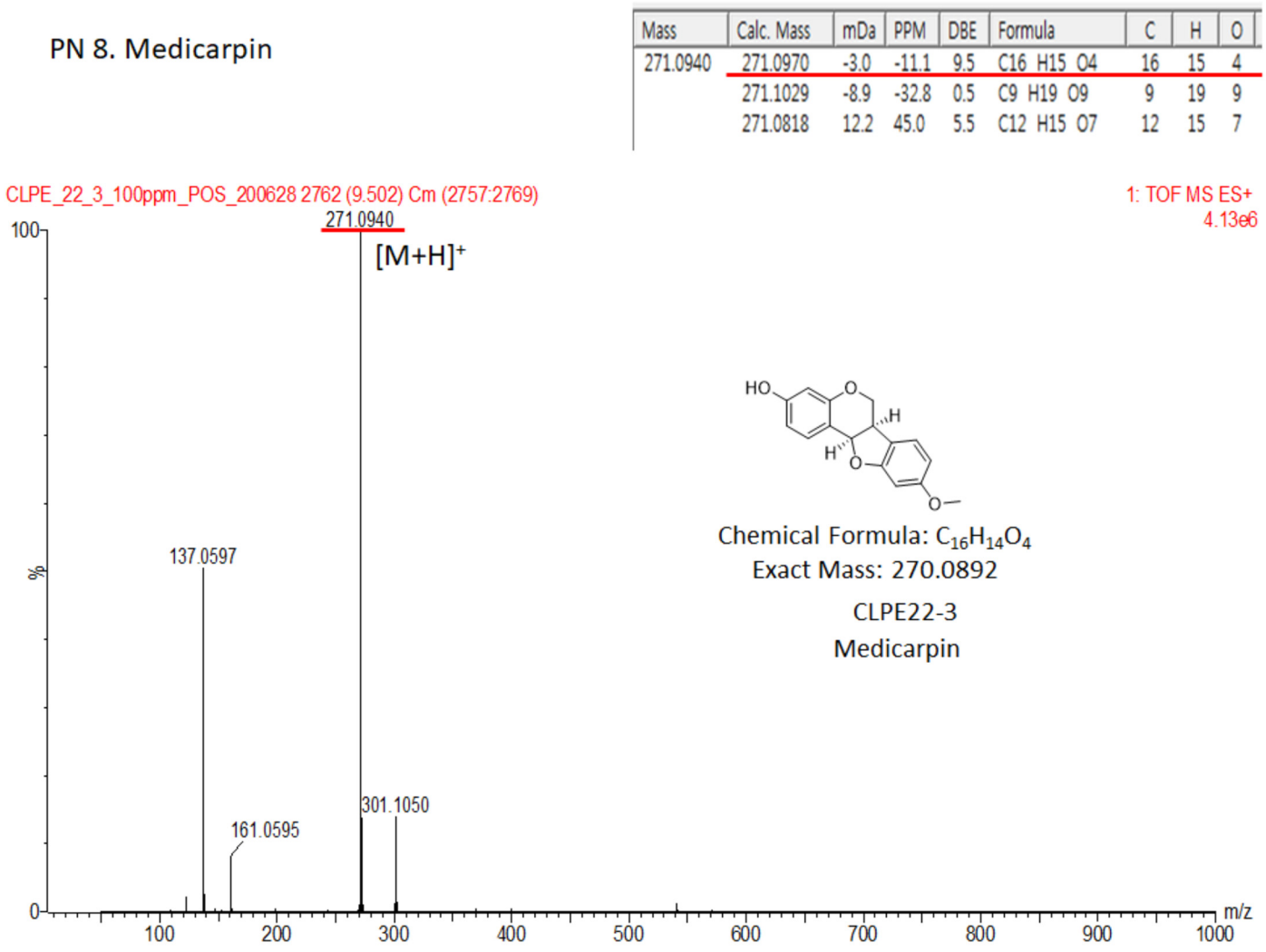

Figure S10. UPLC-QTOF-MS spectrum of medicarpin (**8**).

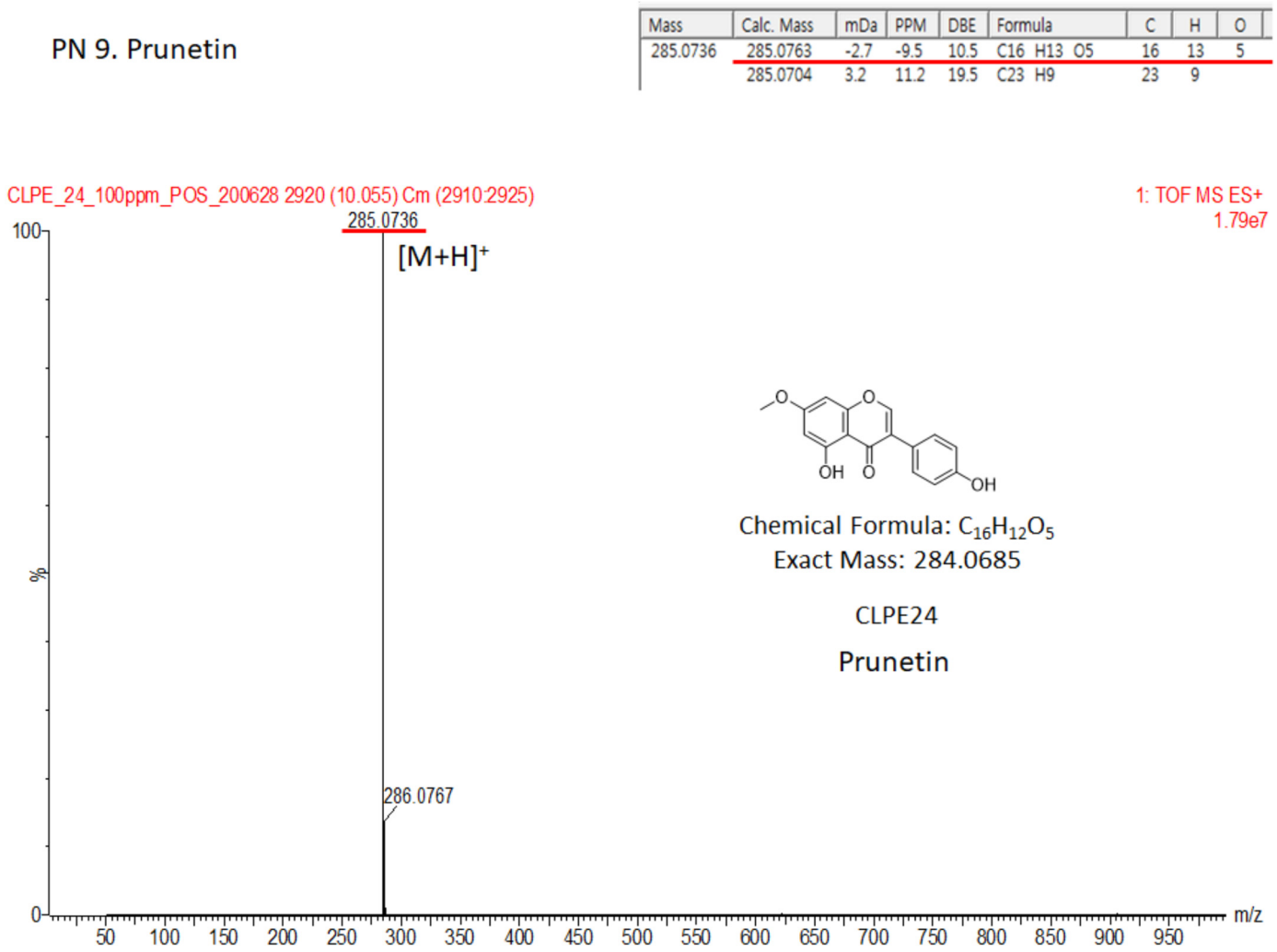

Figure S11. UPLC-QTOF-MS spectrum of prunetin (**9**).

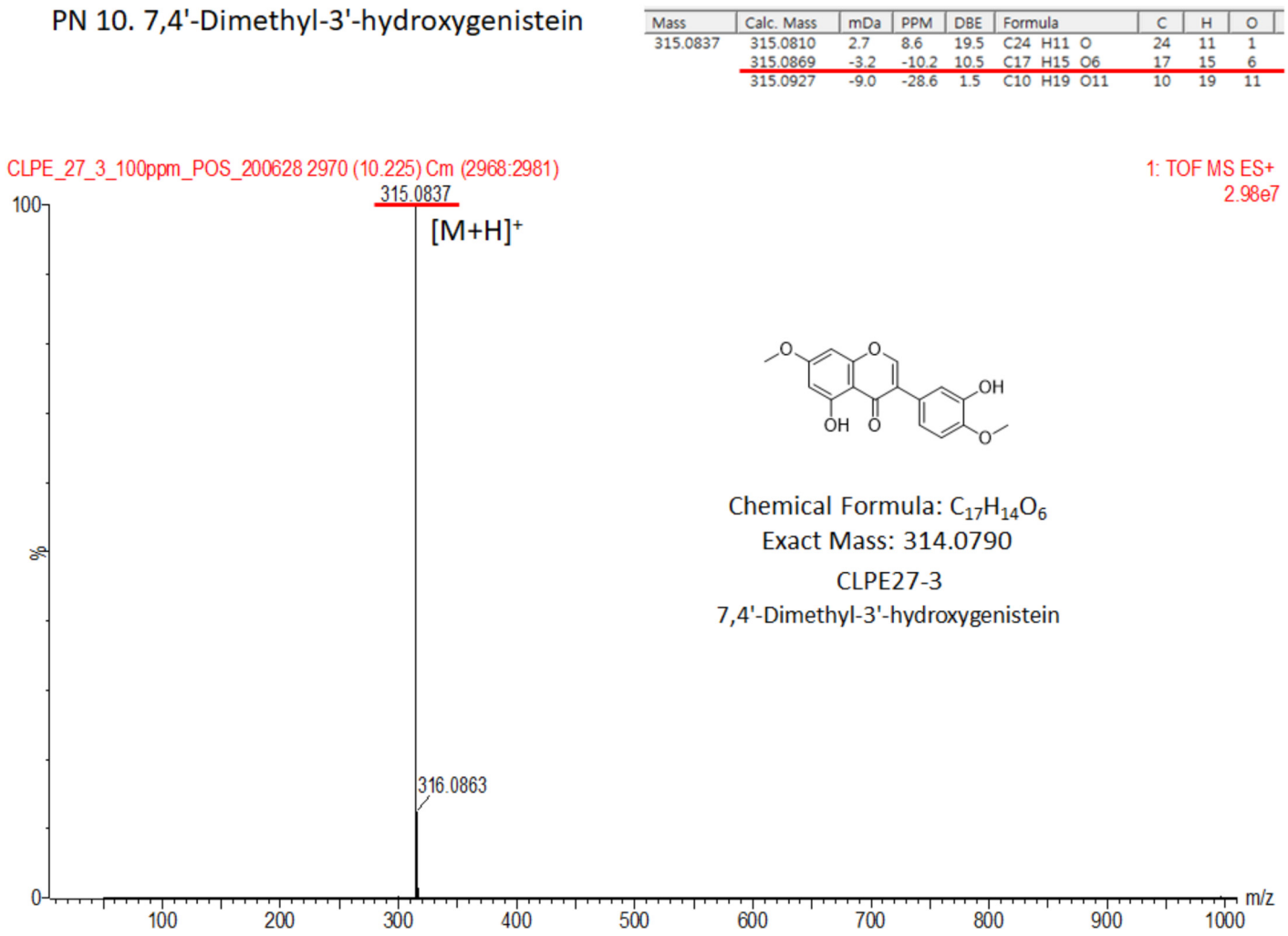

Figure S12. UPLC-QTOF-MS spectrum of 7,4'-dimethyl-3'-hydroxygenistein (**10**).

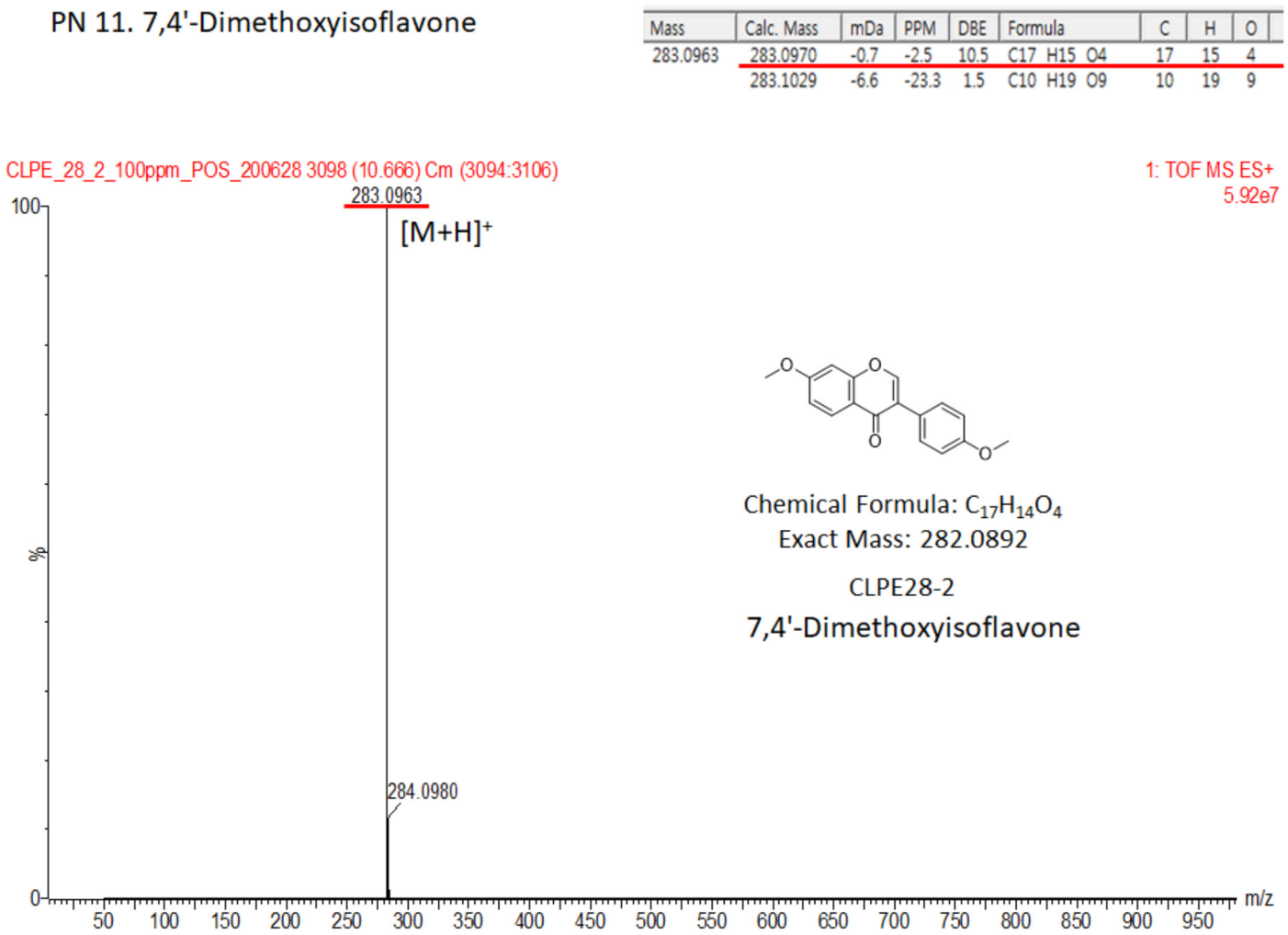

Figure S13. UPLC-QTOF-MS spectrum of 7,4'-dimethoxyisoflavone (**11**).

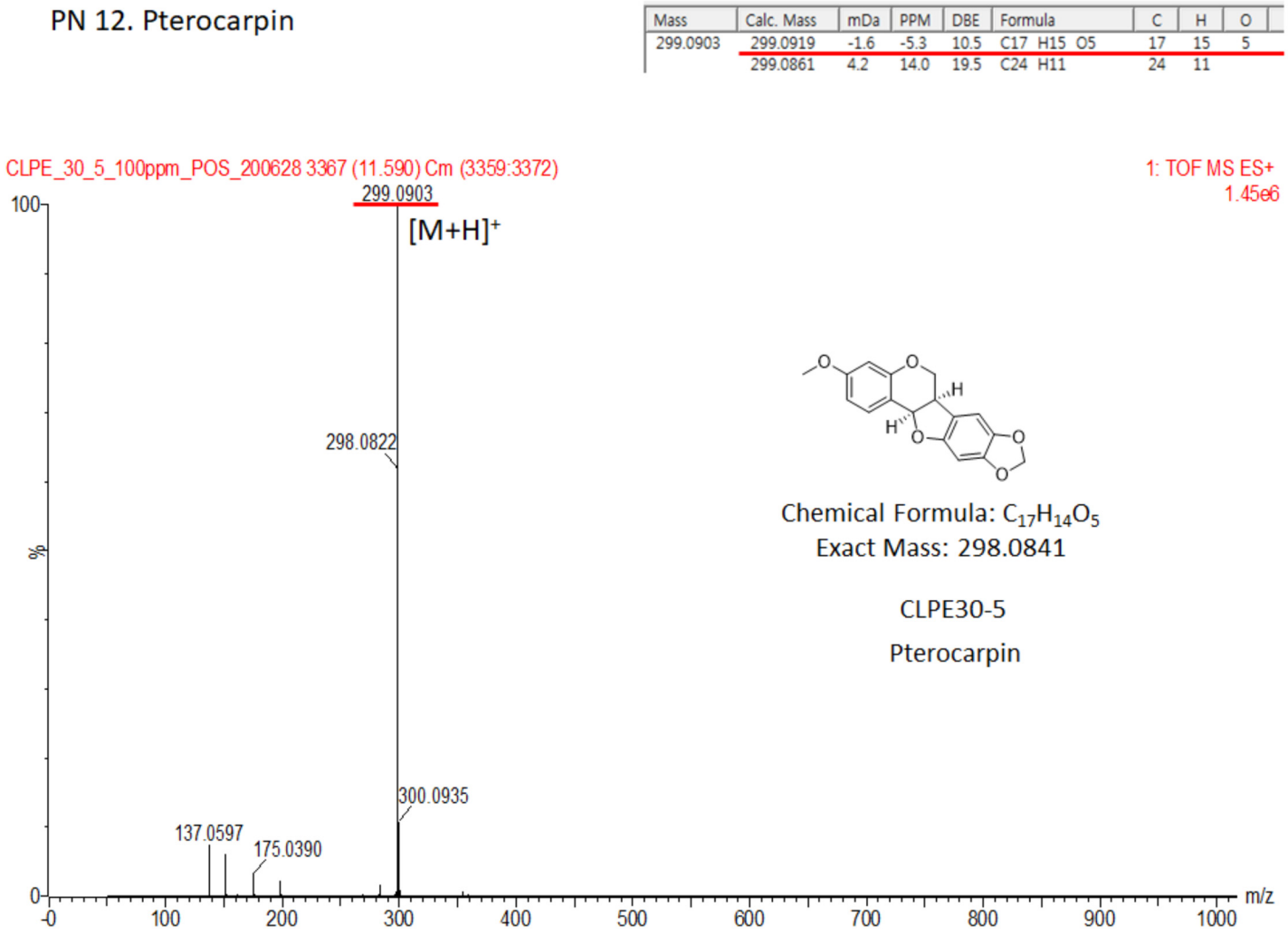

Figure S14. UPLC-QTOF-MS spectrum of pterocarpin (**12**).

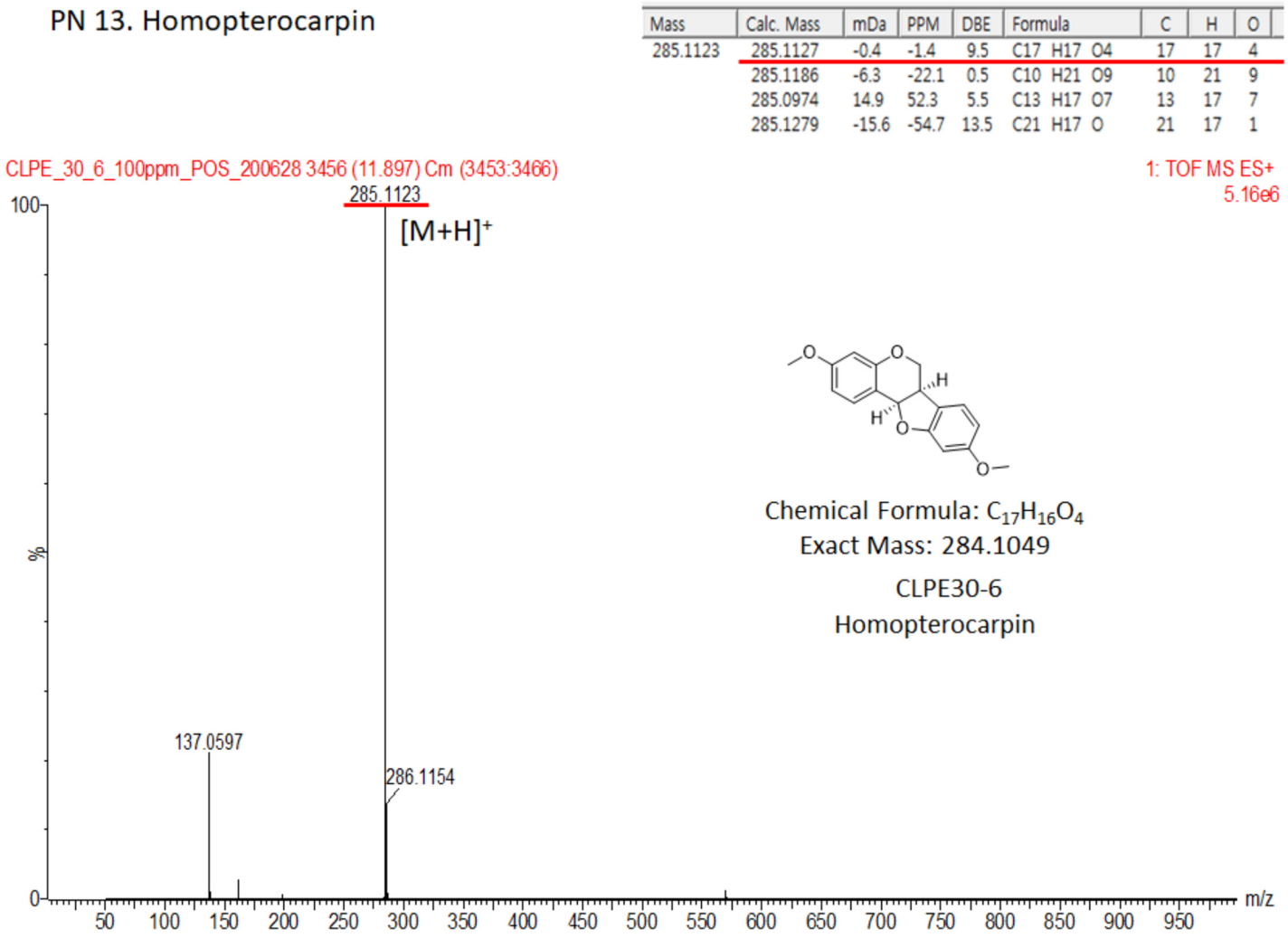

Figure S15. UPLC-QTOF-MS spectrum of homopterocarpin (**13**).

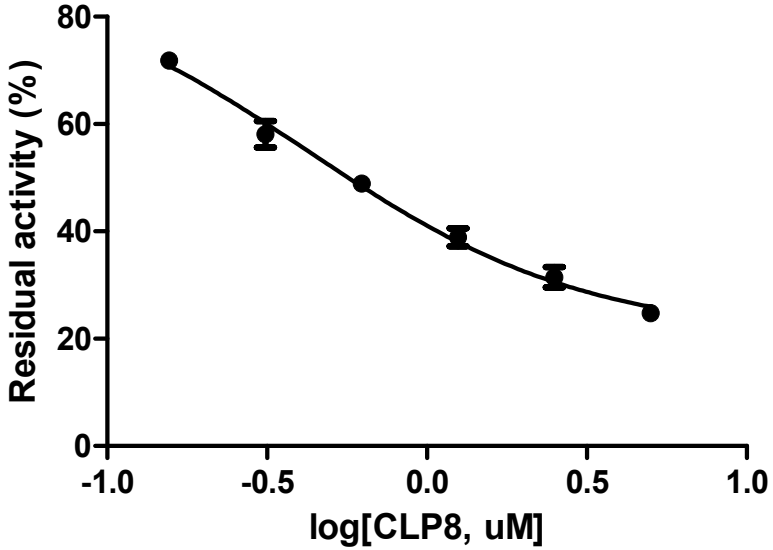

Figure S16. IC_{50} curve of medicarpin (**8**) for hMAO-B.

Molecules **2023**, *28*, 258. https://doi.org/10.3390/molecules28010258 www.mdpi.com/journal/molecules

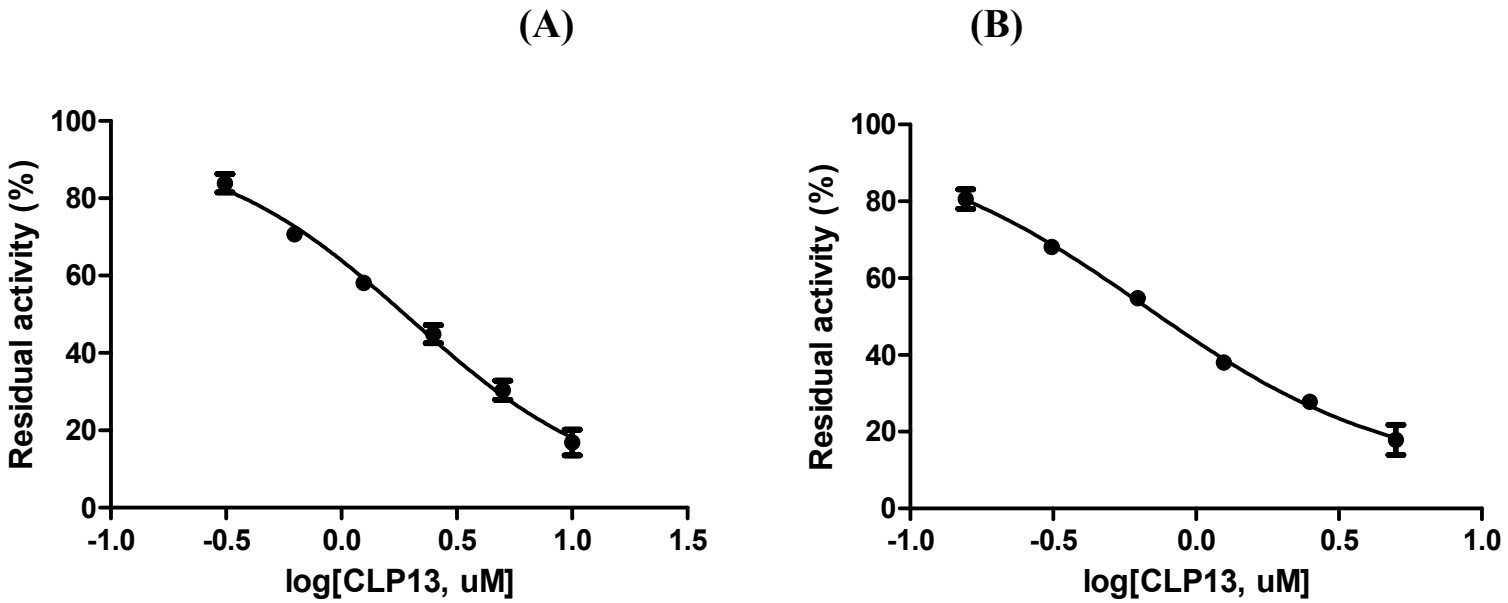

Figure S17. IC_{50} curves of homopterocarpin (**13**) for hMAO-A (**A**) and hMAO-B (**B**).