

Figure 5. 2. Mass spectrum of pentagalloylglucose (PGG, MW: 940) in negative HPLC/ESI-MS. Base peak m/z of 939 is (M-H)⁻ and m/z value of 169 is galloyl group (gallic acid-H)⁻. Peak of m/z 769 is (M-gallic acid - H)⁻. Absence of m/z 301 reveals that molecule contains no ellagate (HHDP) group.

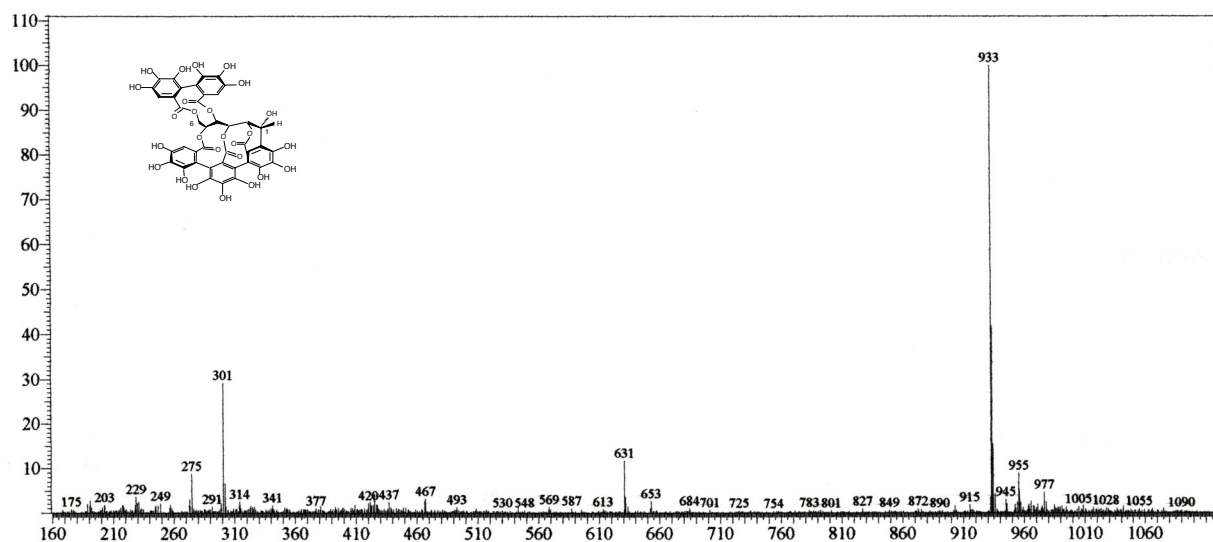


Figure 5. 3. Mass spectrum of castalagin (MW: 934) in negative HPLC/ESI-MS. The ion at m/z 301 indicates the occurrence of HHDP group. The absence of m/z 169 reveals the lack of free galloyl groups. Peak of m/z 631 is (M-ellagic acid -H)⁻.

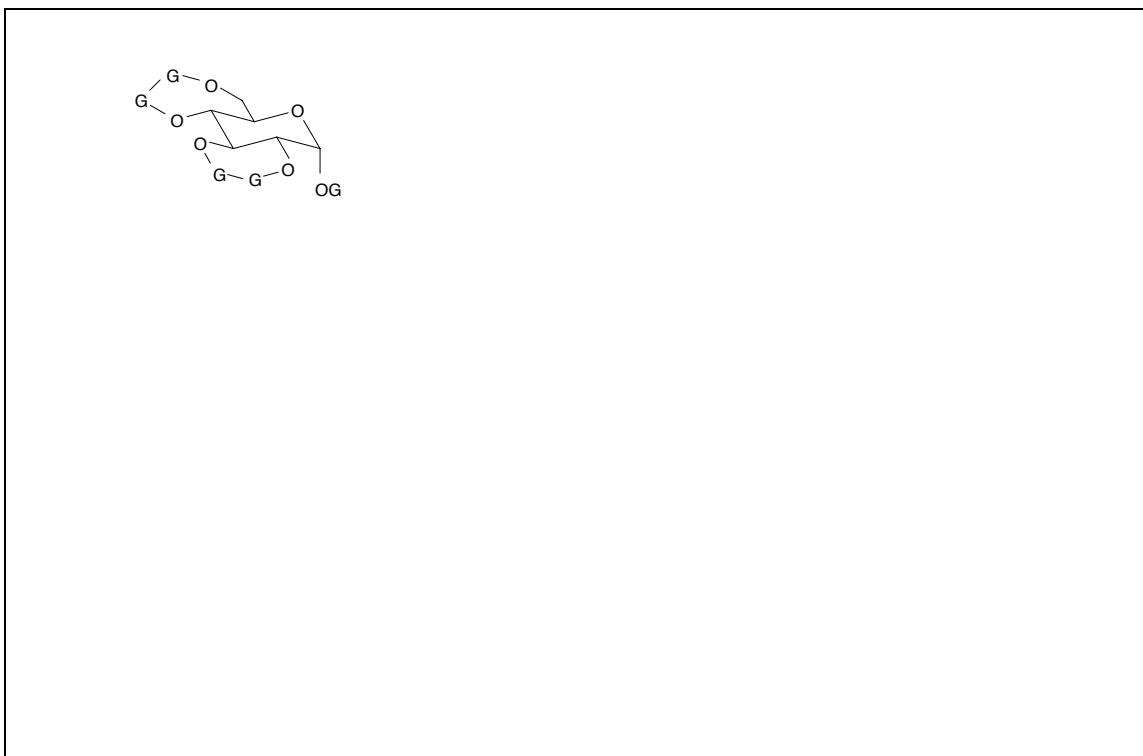


Figure 4. Mass spectrum of potentillin (MW: 936) in negative HPLC/ESI-MS. Both ellagitannin characteristic peak (m/z : 301) and free galloyl group peak (m/z : 169) are present. Peak of m/z 633 is (M-ellagic acid-H)⁻.