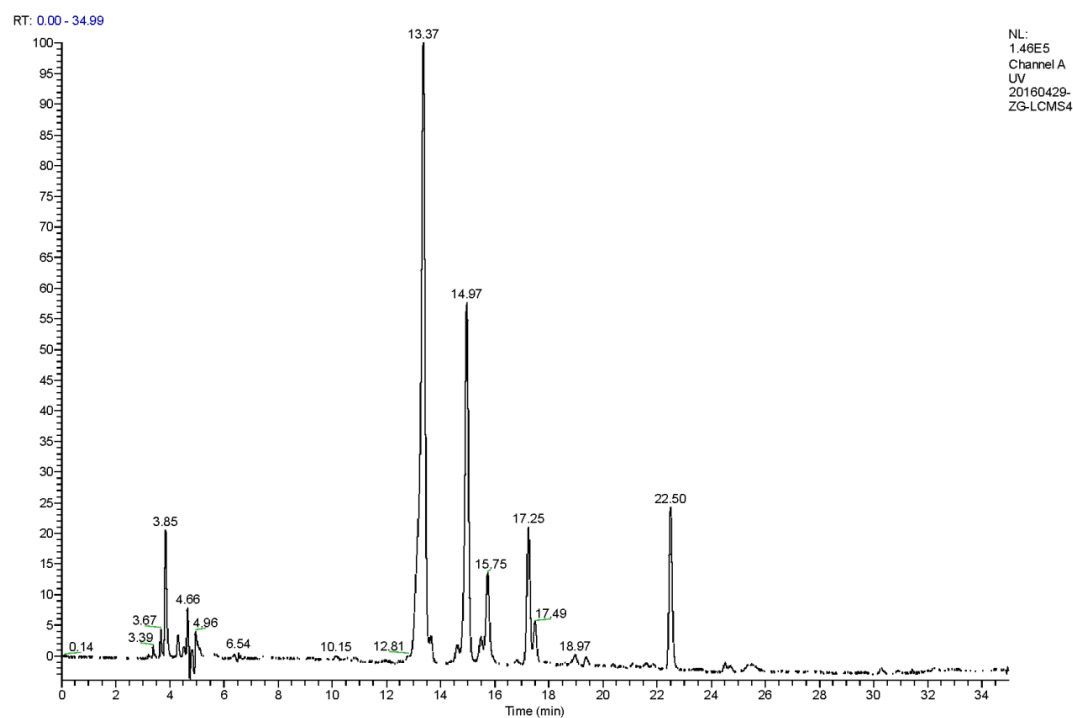
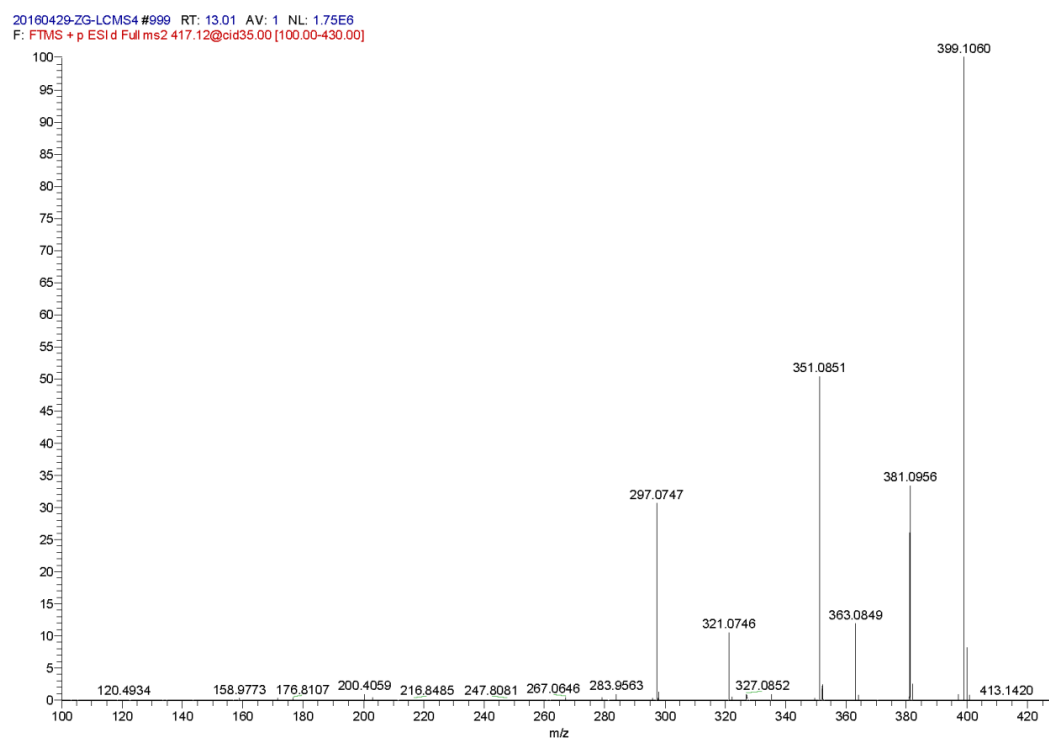


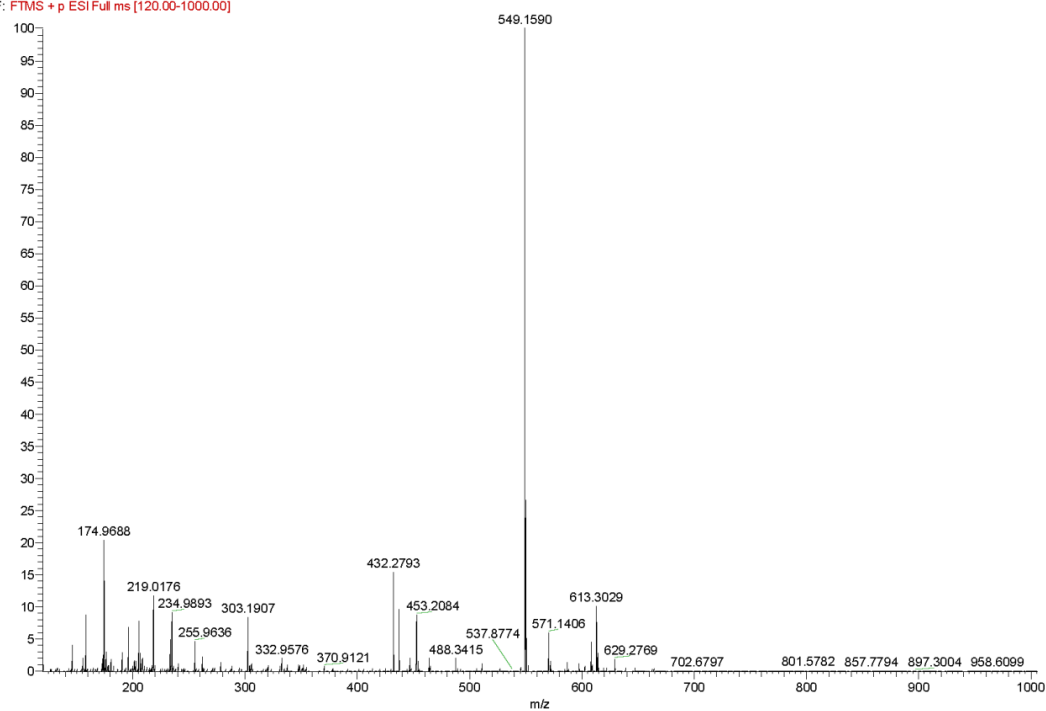


S1. the total ion current chromatogram of *Pueraria lobate*



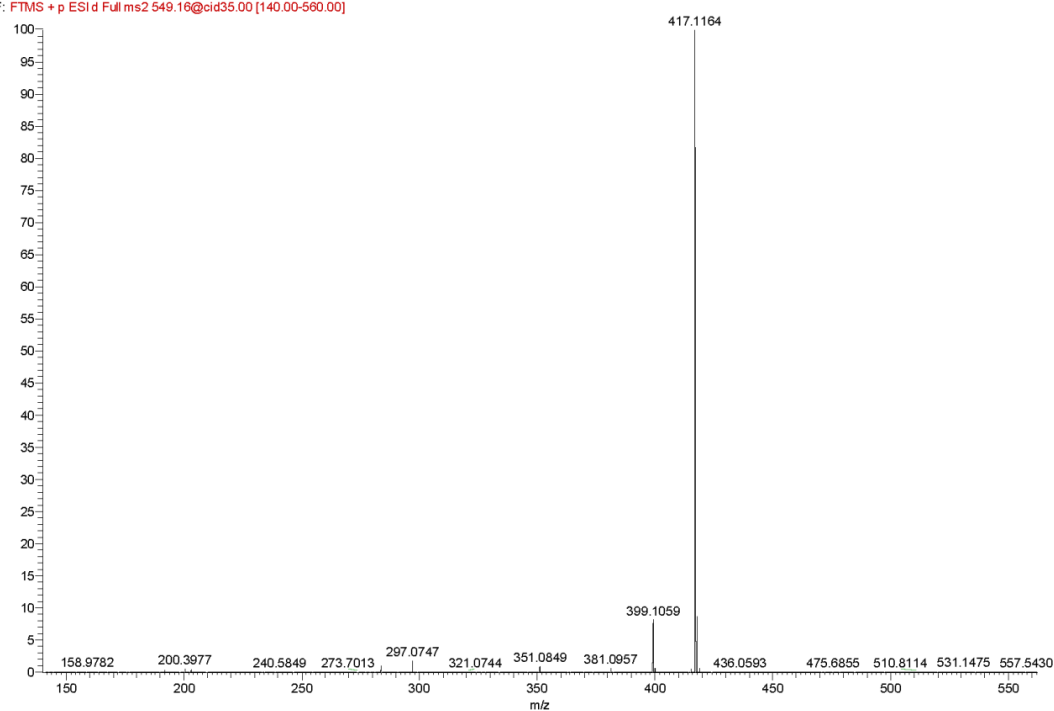
S2. Mass spectrum of puerarin

20160429-ZG-LCMS4 #1044-1064 RT: 13.57-13.83 AV: 11 SB: 28 13.02-13.47 , 14.03-14.24 NL: 1.01E6
 F: FTMS + p ESI Full ms [120.00-1000.00]



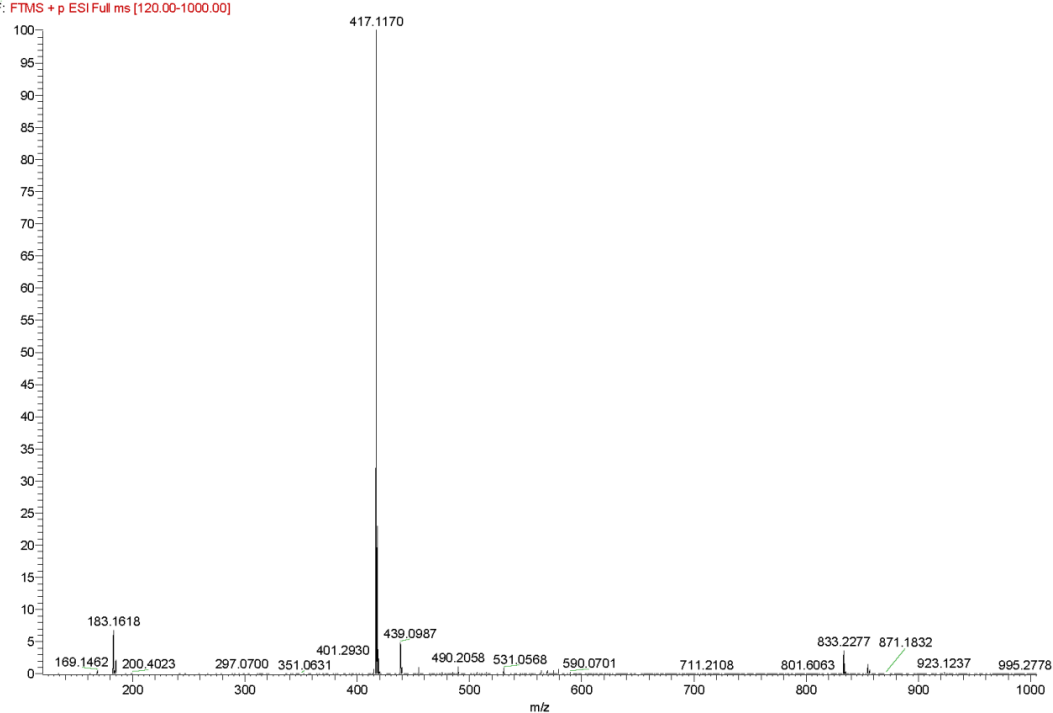
S3. Mass spectrum of Puerarin-6''-O-xyloside

20160429-ZG-LCMS4 #1023-1059 RT: 13.56-13.62 AV: 3 NL: 1.76E6
 F: FTMS + p ESI d Full ms2 549.16@cid35.00 [140.00-560.00]



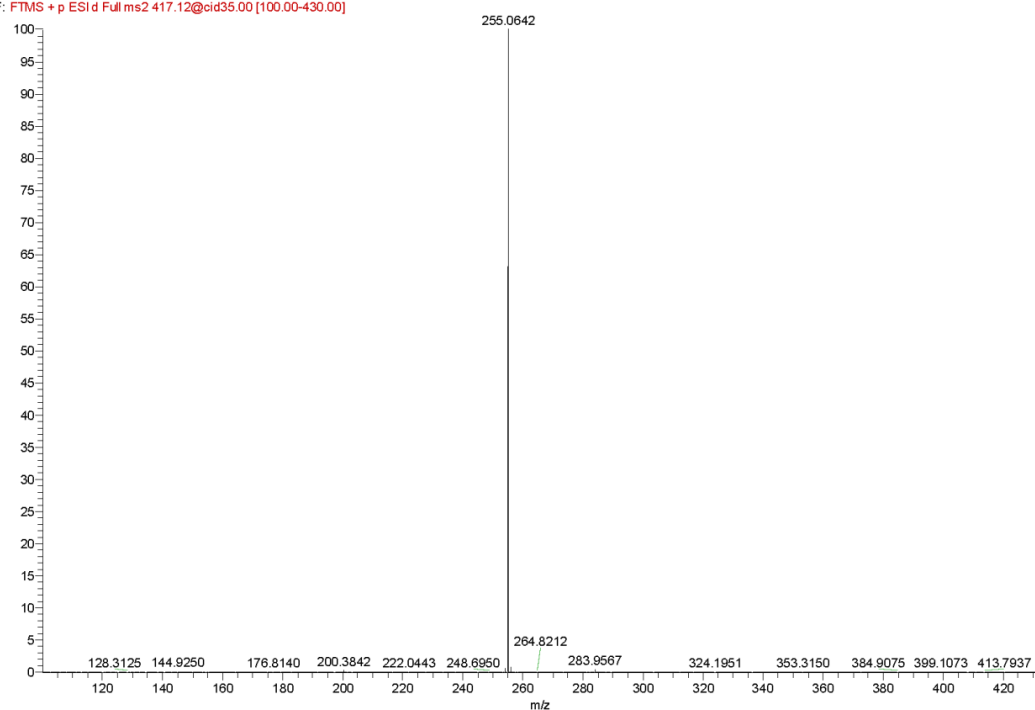
S4. MS² of Puerarin-6''-O-xyloside

20160429-ZG-LCMS4 #1004-1029 RT: 13.07-13.37 AV: 13 SB: 29 12.51-12.84, 13.50-13.89 NL: 1.09E7
F: FTMS + p ESI Full ms [120.00-1000.00]



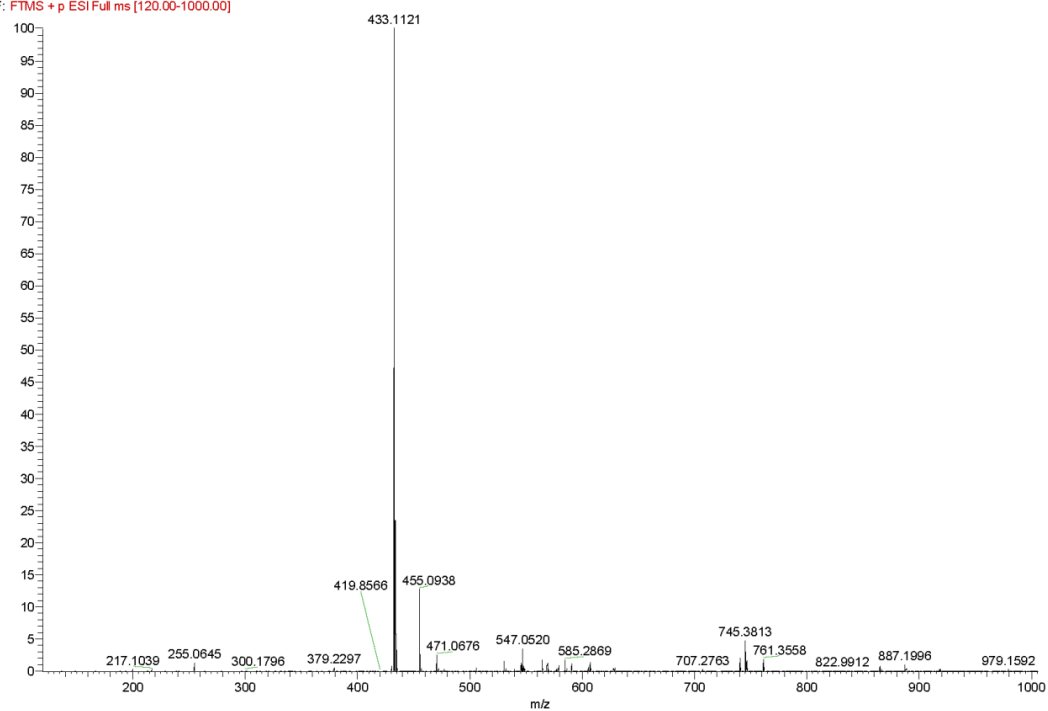
S5. MS of daidzin

20160429-ZG-LCMS4 #1128-1150 RT: 14.74-14.84 AV: 3 NL: 3.53E6
F: FTMS + p ESI d Full ms2 417.12@cid35.00 [100.00-430.00]



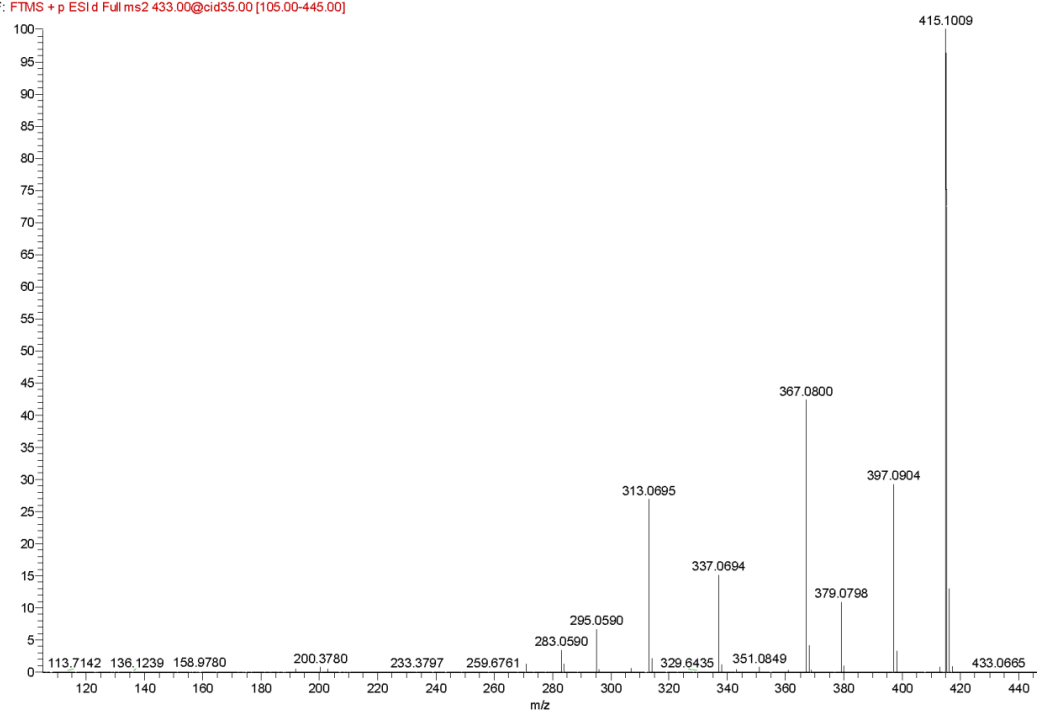
S6. MS² of daidzin

20160429-ZG-LCMS4 #1206-1222 RT: 15.64-15.85 AV: 9 SB: 22 15.23-15.58, 15.95-16.15 NL: 2.78E6
F: FTMS + p ESI Full ms [120.00-1000.00]



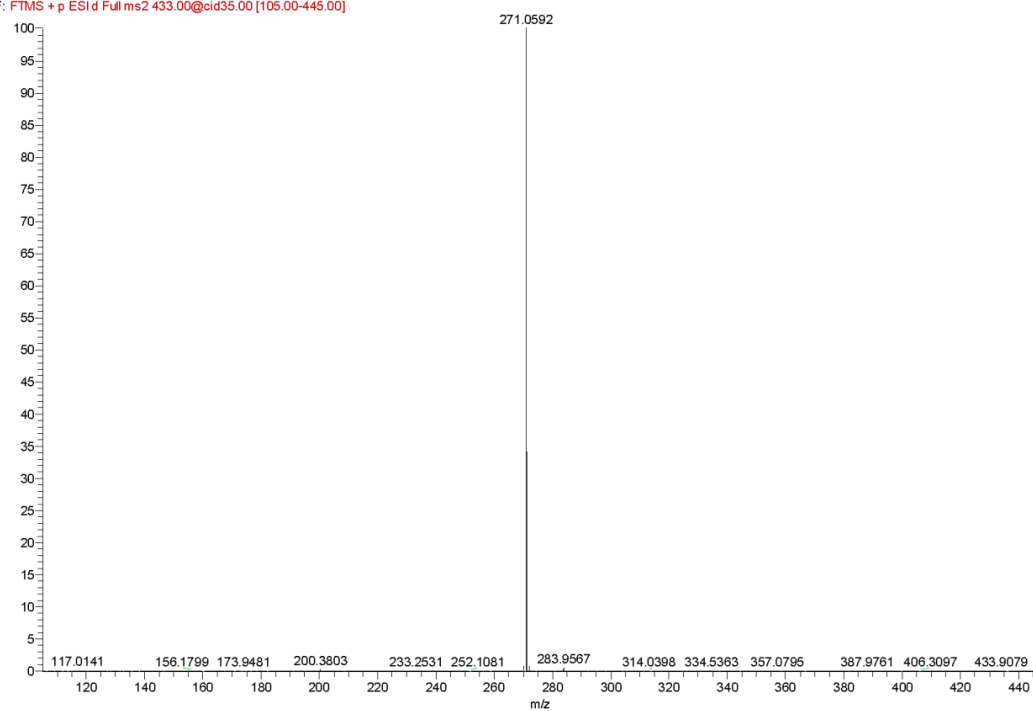
S7. MS of 3'-hydroxypuerarin

20160429-ZG-LCMS4 #1201-1218 RT: 15.66-15.71 AV: 3 NL: 1.41E6
F: FTMS + p ESI d Full ms2 433.00@cid35.00 [105.00-445.00]



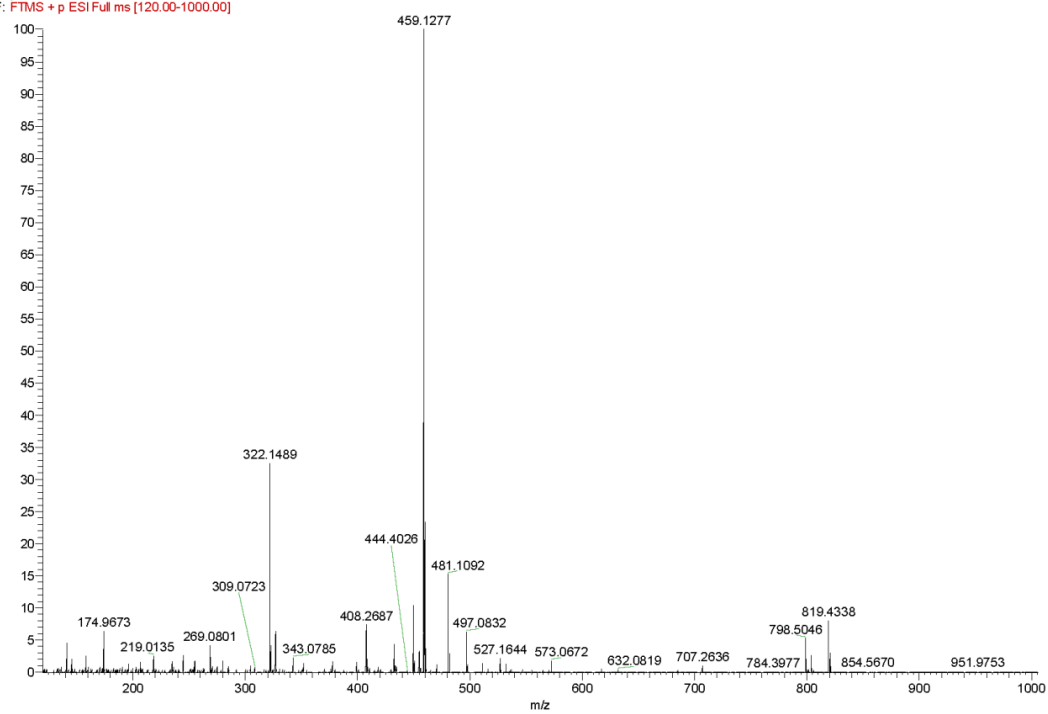
S8. MS² of 3'-hydroxypuerarin

20160429-ZG-LCMS4 #1323-1335 RT: 17.16-17.21 AV: 3 NL: 3.55E6
F: FTMS + p ESI d Full ms2 433.00@cid35.00 [105.00-445.00]



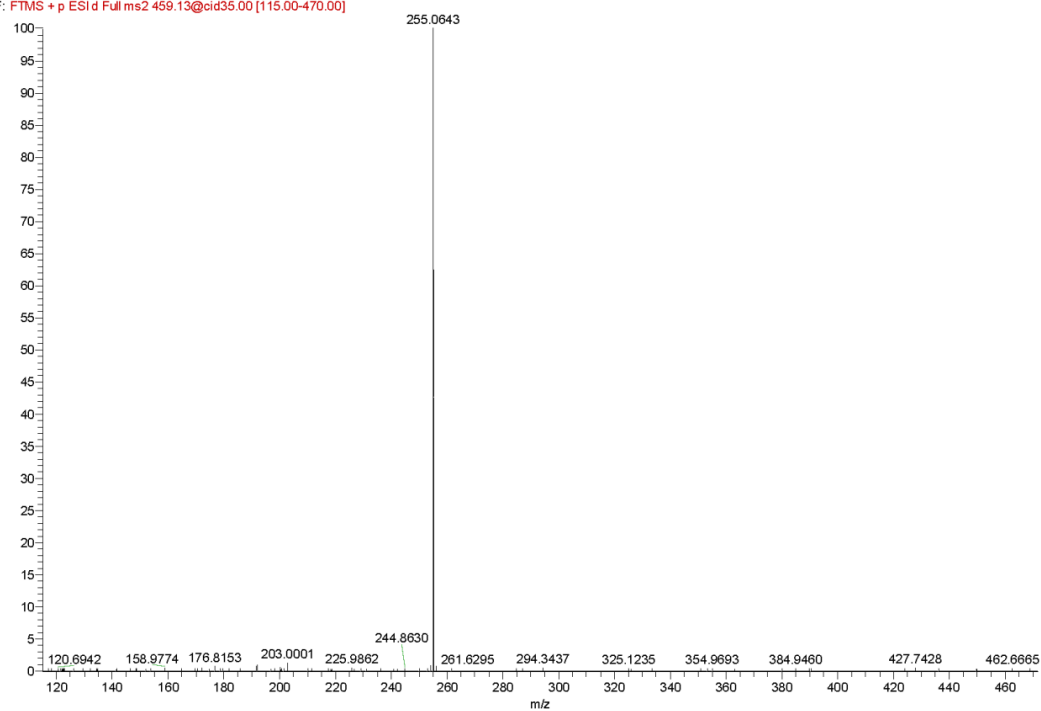
S 9. MS of genistin

20160429-ZG-LCMS4 #1491-1507 RT: 19.31-19.49 AV: 8 SB: 16 19.01-19.40, 19.88 NL: 3.72E5
F: FTMS + p ESI Full ms [120.00-1000.00]



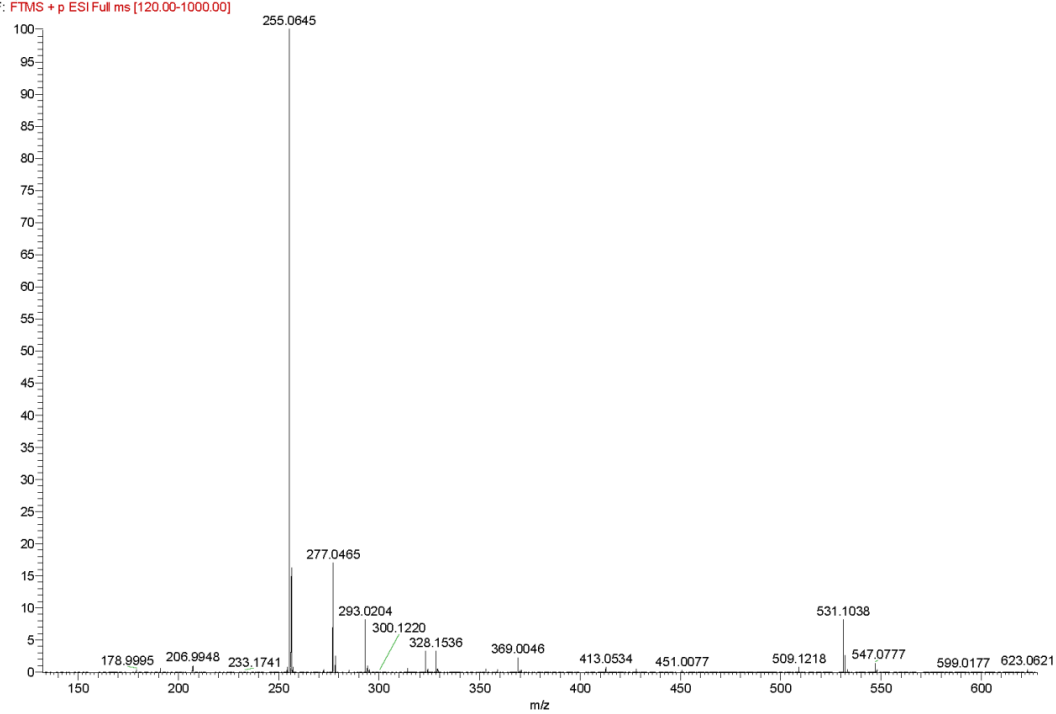
S 10. MS of 6''-O-Acetyldaidzin

20160429-ZG-LCMS4 #1496-1499 RT: 19.38-19.40 AV: 2 SB: 3 19.01-19.40, 19.88 NL: 1.42E5
 F: FTMS + p ESI d Full ms 2 459.13@cid35.00 [115.00-470.00]

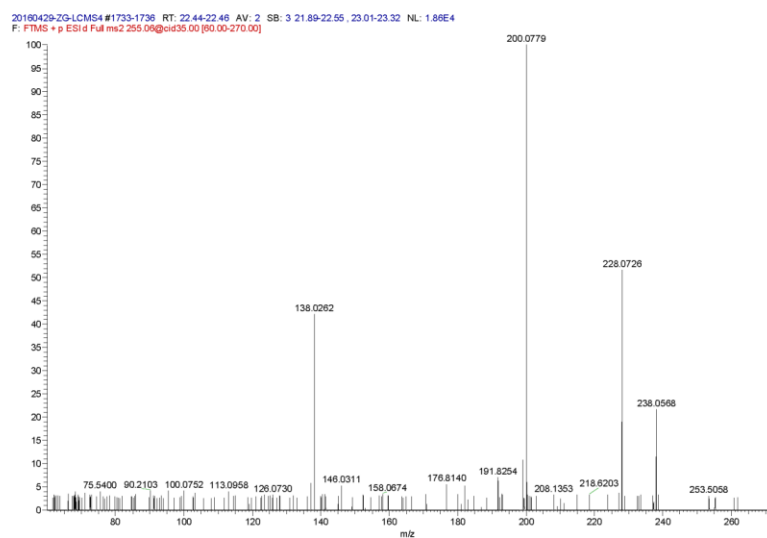


S11. MS² of 6''-O-Acetyldaidzin

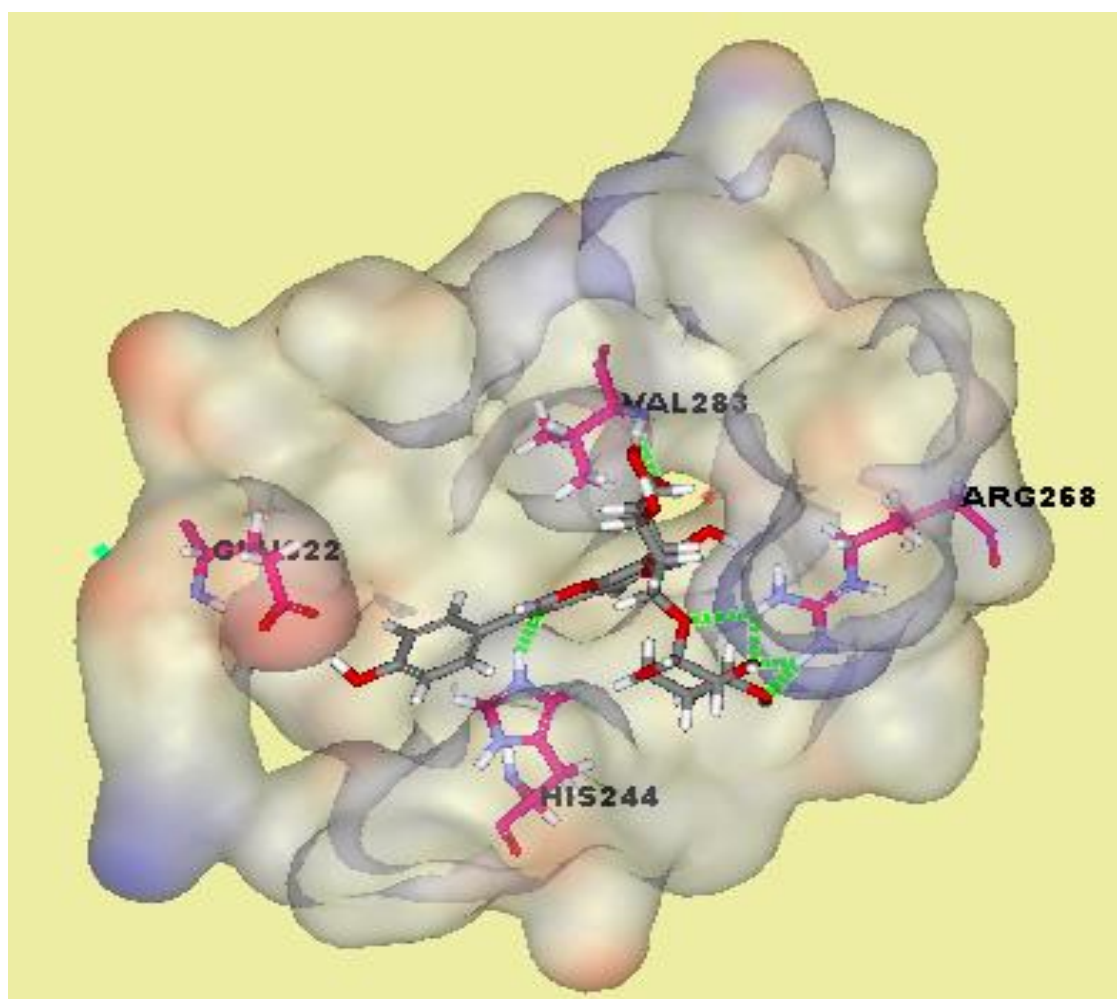
20160429-ZG-LCMS4 #1730-1748 RT: 22.40-22.63 AV: 10 SB: 38 21.89-22.55, 23.01-23.32 NL: 4.22E6
 F: FTMS + p ESI Full ms [120.00-1000.00]



S12. MS of daidzein



S 13. MS^2 of daidzein



S14. Interaction between Puerarin-6''-O-xyloside and tyrosinase