

Supporting information

Table S1 The polyhydroxy alkaloids detected in different parts of mulberry. The “√” represents this kind of polyhydroxy alkaloid was detected (R/N>3) in the corresponding plant materials.

	DNJ	1,4-dideoxy-1,4-imino-D-arabinitol /1,4-dideoxy-1,4-imino-D-ribitol	3,fagomine /3-epifagomine	nortropanoline	N-methyl-1- deoxynojirimycin	1,4-dideoxy-1,4-imino-(2 -O-β-D-glucopyranosyl)- D-arabinitol	2-O-α-D-galactopyranosyl -1-deoxynojirimycin
I	√	√	√	√	√	√	√
II	√	√	√			√	√
III	√	√	√	√		√	
IV	√	√	√	√		√	
V	√	√		√			

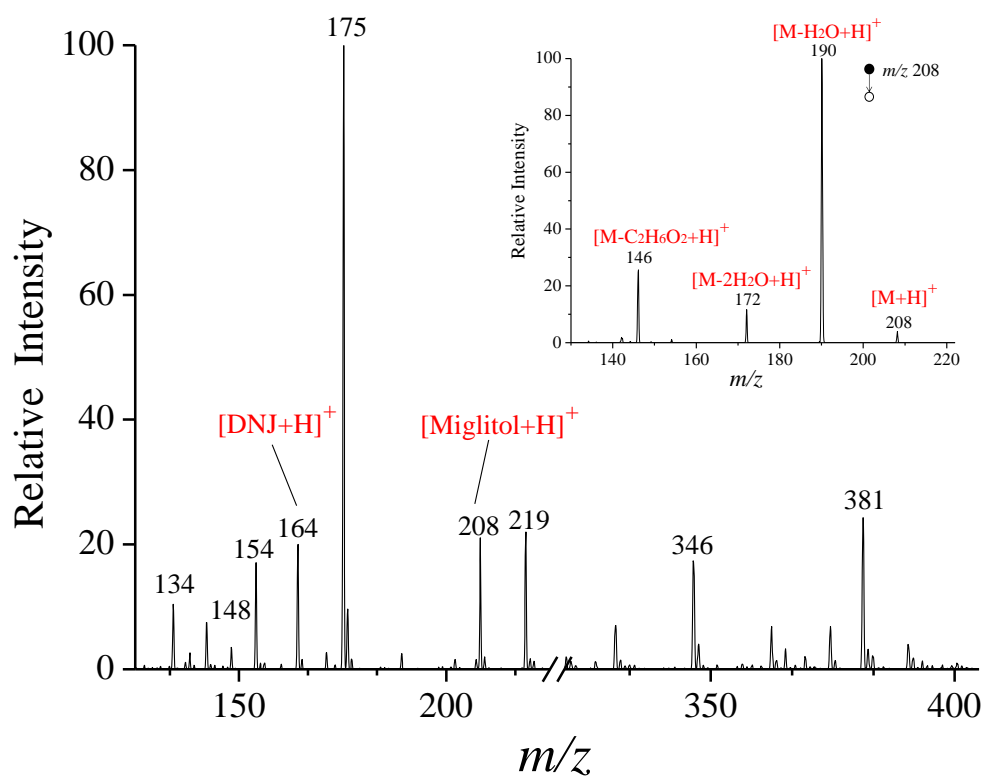


Fig. S1 The mass spectrum of part IV with 10 μ L 0.1mM miglitol as internal standard. The inset figure shows the MS/MS spectrum of miglitol.