Electronic Supplementary Material (ESI) for Food & Function.

Table S1. UPLC-MS/MS performances of 13 ACs, 5-HMF, and Acrylamide.

Analyte	Cone voltage (eV)	Collision energy (eV)	Molecular ion	Quantitative m/z
Fru-Asp	20	10	296	296 → 278
Fru-Gly	15	10	238	238 → 220
Fru-Ala	15	15	252	252 → 234
Fru-Ser	17	13	268	268 → 250
Fru-Pro	25	10	278	278 → 260
Fru-Val	18	22	280	280 → 216
Fru-Thr	17	13	282	282 → 264
Fru-Leu	15	20	294	294 → 230
Fru-Glu	15	20	310	310 → 148
Fru-Met	15	10	312	312 → 294
Fru-His	20	16	318	318 → 190
Fru-Phe	18	16	328	328 → 292
Fru-Arg	30	20	337	337 → 114
5-HMF	30	13	127	127 → 109
Acrylamide	22	15	72	72→ 55

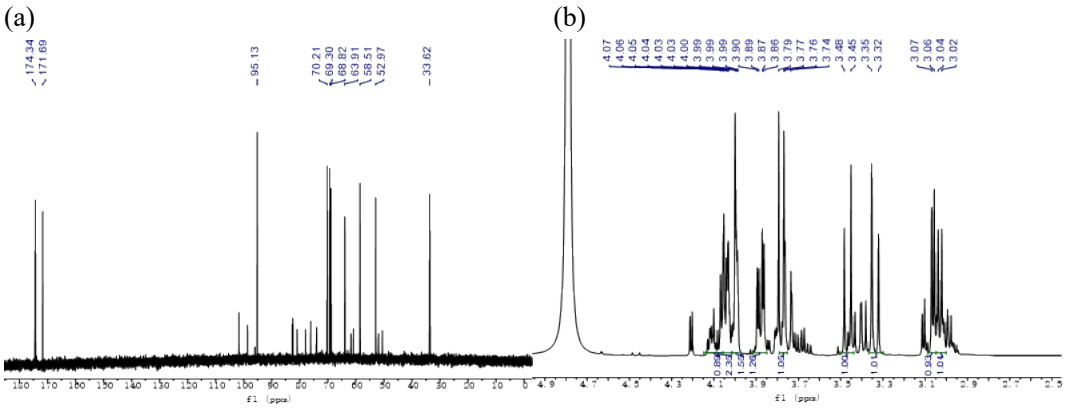

Figure S1. ^{13}C NMR (a), and ^{1}H NMR spectra (b) of the prepared Fru-Asp.

Table S2. Determination of amino acids in pear using amino acid analyzer.

Amino acid	Pear (Absolute Content—mg/100 mL)
Asp	95.36
Glu	6.99
Ser	2.44
His	1.39
Gly	1.28
Thr	2.53
Arg	1.02
Ala	2.87
Tyr	1.00
Cys-s	0.05
Val	4.72
Met	1.13
Phe	1.15
Ile	1.35
Leu	1.58
Lys	1.61
Pro	5.31
Total content	131.79