

SUPPLEMENTARY MATERIAL

Supplementary Material-Tables:

Table S1. Gradient elution procedures of HPLC for the determination of uronic acid.

Time (min)	Deionized water (%)	Acetonitrile B (%)	Flow rate (mL/min)
3	25	75	0.8
6	40	60	0.8
9	40	60	0.8
15	25	75	1.4

Table S2. Primer sequence of target gene.

Gene	Primer sequences
β -actin	Forward primer AGGGAAATCGTGCGTGACAT
	Reverse primer AACCGCTCGTTGCCAATAGT
TLR4	Forward primer TGTGTCAGTGGTCAGTGTGATTGTG
	Reverse primer CTGTAGTGAAGGCAGAGGTGAAAGC
MyD88	Forward primer CGCCGCCTATCGCTGTTCTTG
	Reverse primer TGCCTCCCAGTTCCTTTGTTTGTG
NF- κ B	Forward primer GAGACTGATCGGGAATTGCCTGAC
	Reverse primer ATCACCTACGCTCAGCCTCACC
IL-1 β	Forward primer CACTACAGGCTCCGAGATGAACAAC
	Reverse primer TGTCGTTGCTTGGTTCTCCTTGAC
IL-6	Forward primer CTTCTGGGACTGATGCTGGTGAC
	Reverse primer TCTGTTGGGAGTGGTATCCTCTGTG
TNF- α	Forward primer ACGGCATGGATCTCAAAGACAACC
	Reverse primer GTACTTGGGCAGATTGACCTCAGC
NOS2	Forward primer ATCTTGGAGCGAGTTGTGGATTGTC
	Reverse primer TAGGTGAGGGCTTGGCTGAGTG

Supplementary Material-Figures:

Supplementary Figure captions:

Fig. S1. Scheme of extraction and purification.

Fig. S2. HPLC spectrum of of FVPH1 (A) FVPH2 (B) and FVPH3 (C).

Fig. S3. Relative survival rate of RAW264.7 cells after treatment with FVPH1, FVPH2 and FVPH3.

Fig. S4. Fructose detection spectrum (A), uronic acid detection spectrum (B), and gas chromatography spectrum (C).

Fig. S5. ^{13}C spectrum of FVPH1.

Fig. S6. H/H-COSY spectrum of FVPH1.

Fig. S7. HMBC spectrum of FVPH1.

Fig. S8. ^{13}C spectrum of FVPH2.

Fig. S9. H/H-COSY spectrum of FVPH2.

Fig. S10. HMBC spectrum of FVPH2.

Fig. S11. Raw images of Western Blot .(H1L:FVPH1 of 100 $\mu\text{g}/\text{mL}$. H1M:FVPH1 of 200 $\mu\text{g}/\text{mL}$. H1H:FVPH1 of 400 $\mu\text{g}/\text{mL}$. H2L:FVPH2 of 100 $\mu\text{g}/\text{mL}$. H2M:FVPH2 of 200 $\mu\text{g}/\text{mL}$. H2H:FVPH2 of 400 $\mu\text{g}/\text{mL}$).

Fig. S1

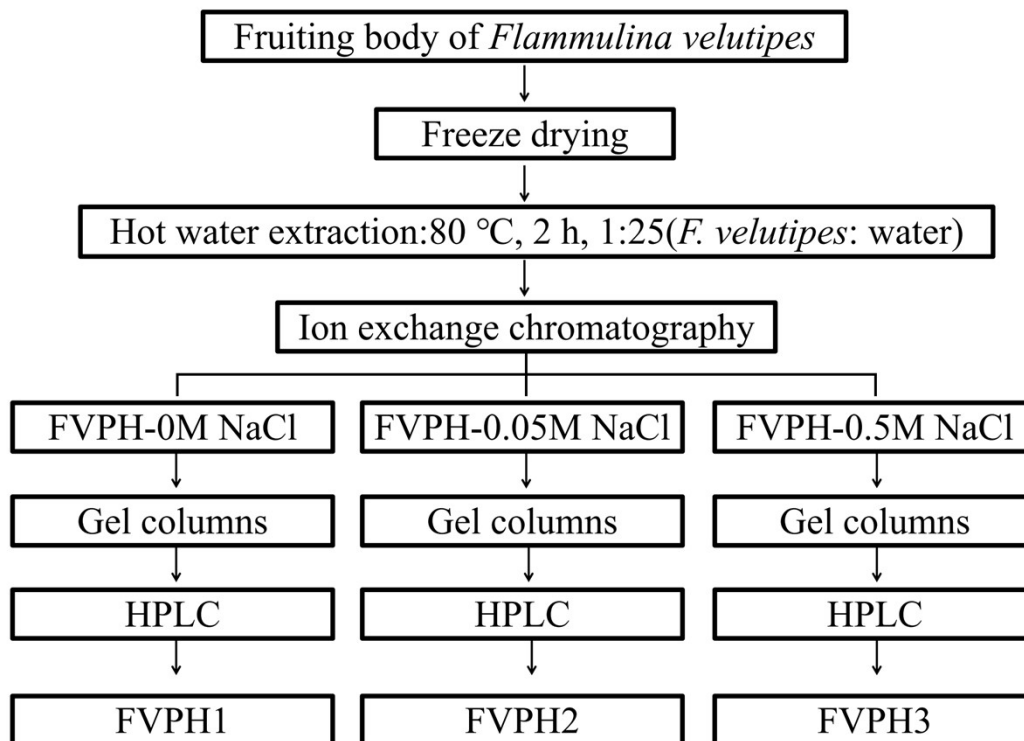


Fig. S2

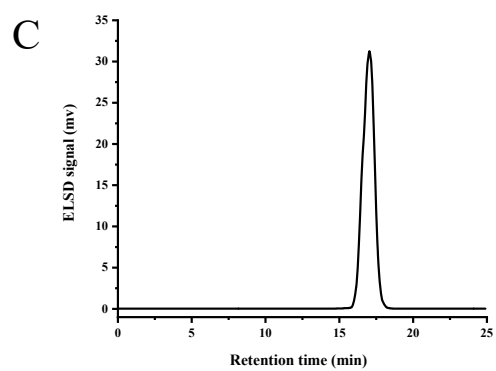
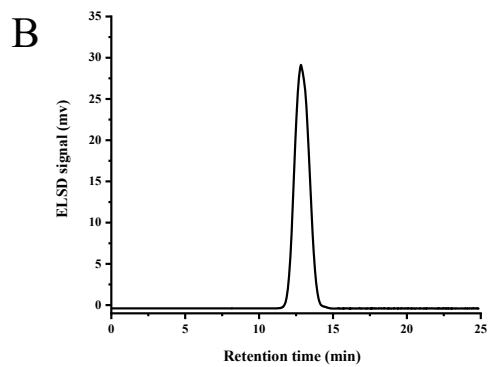
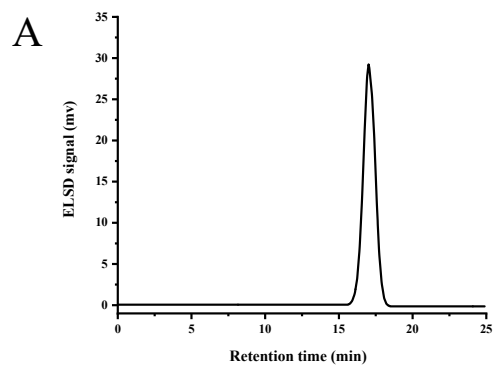


Fig. S3

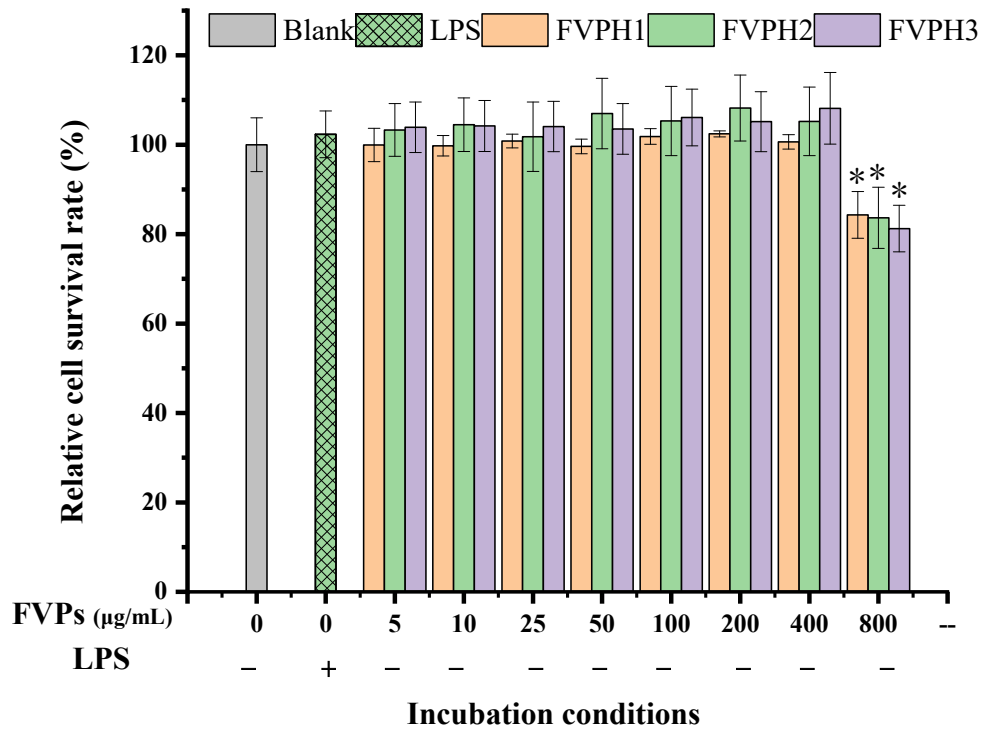


Fig. S4

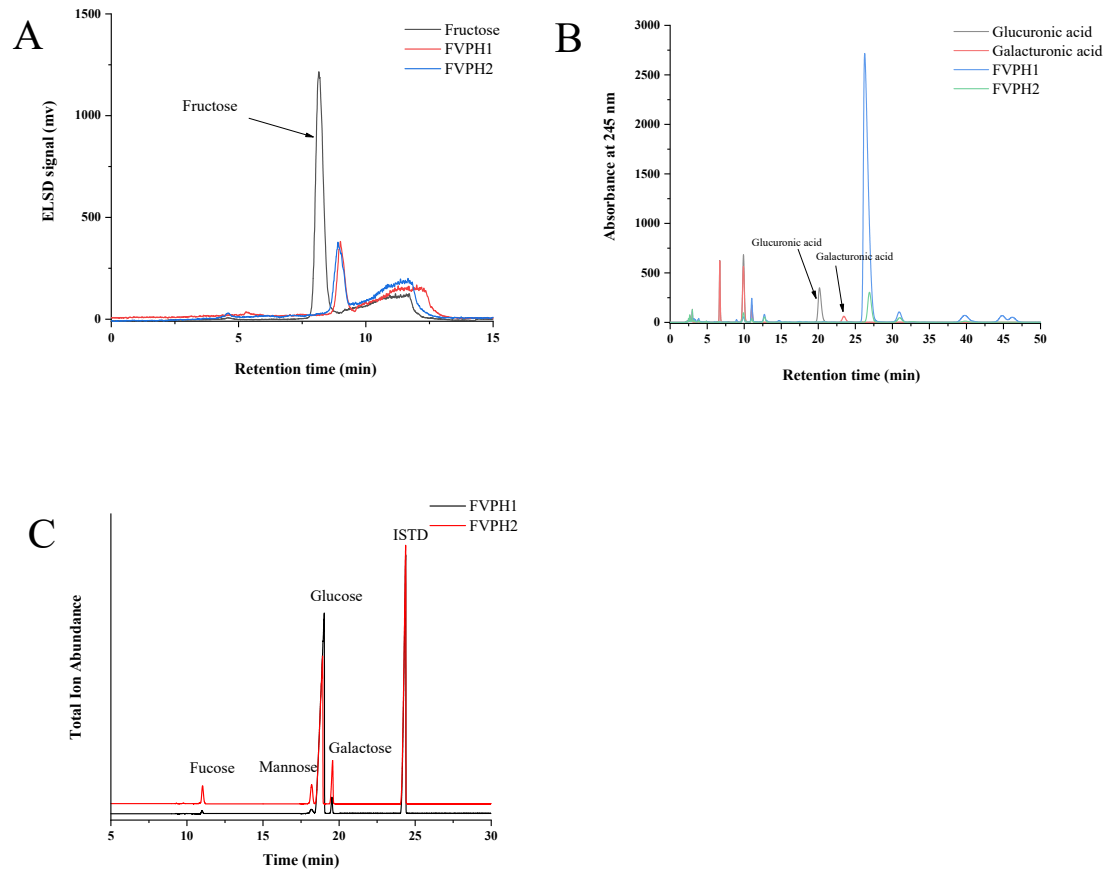


Fig. S5

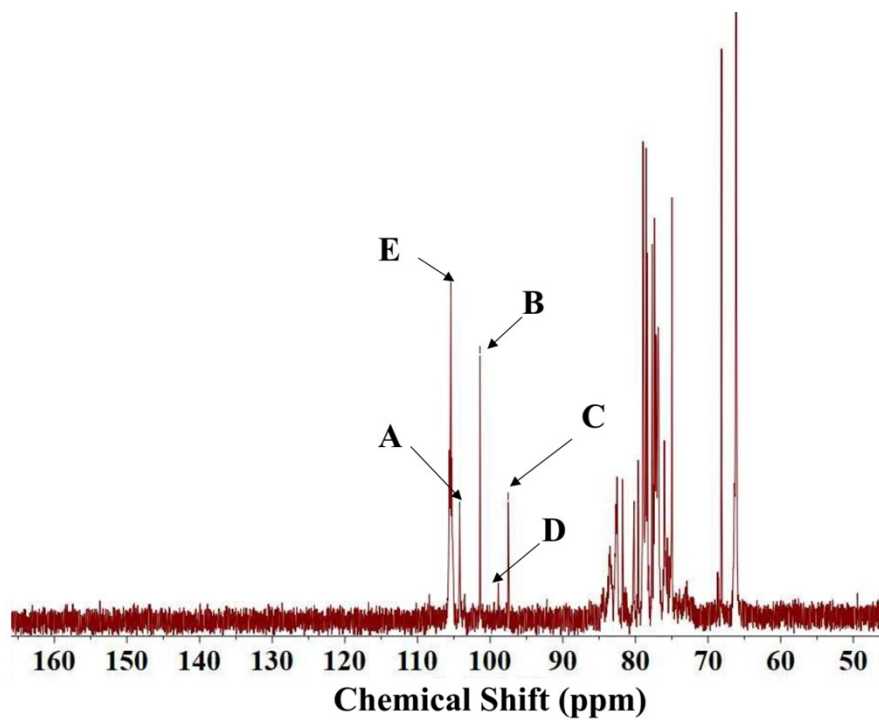


Fig. S6

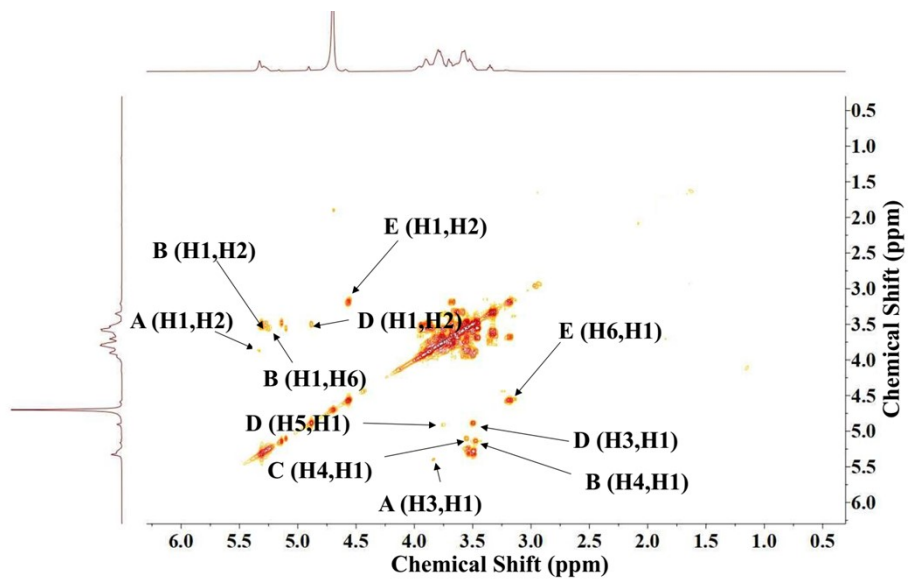


Fig. S7

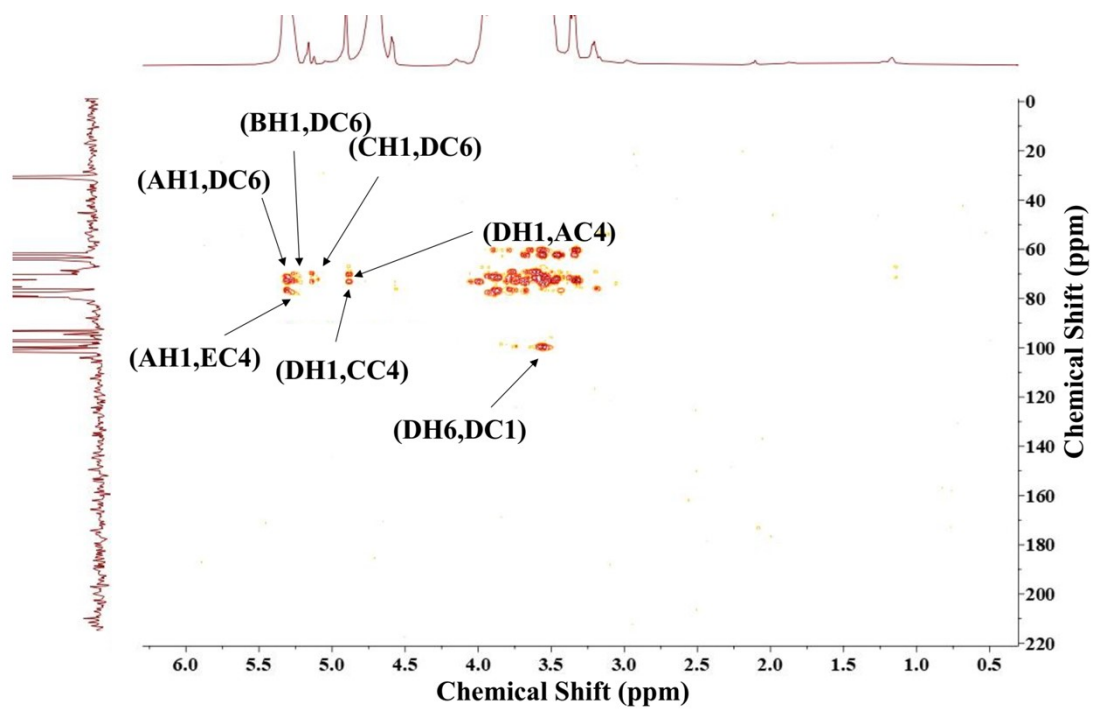


Fig.S8

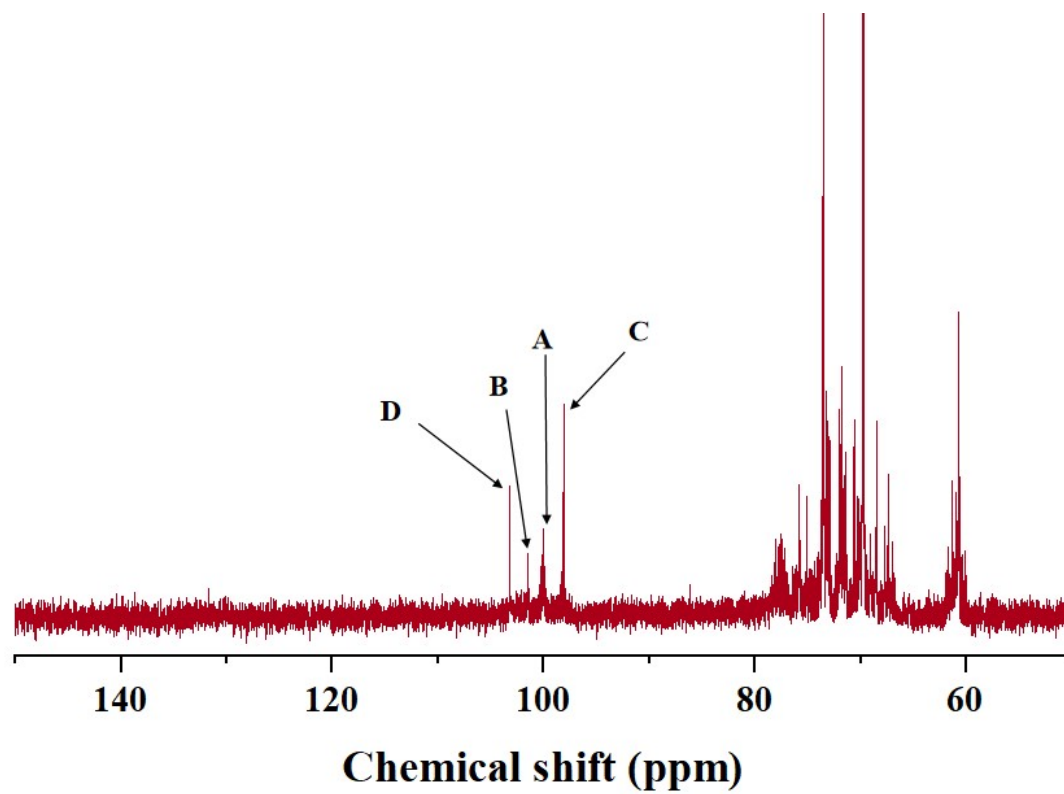


Fig.S9

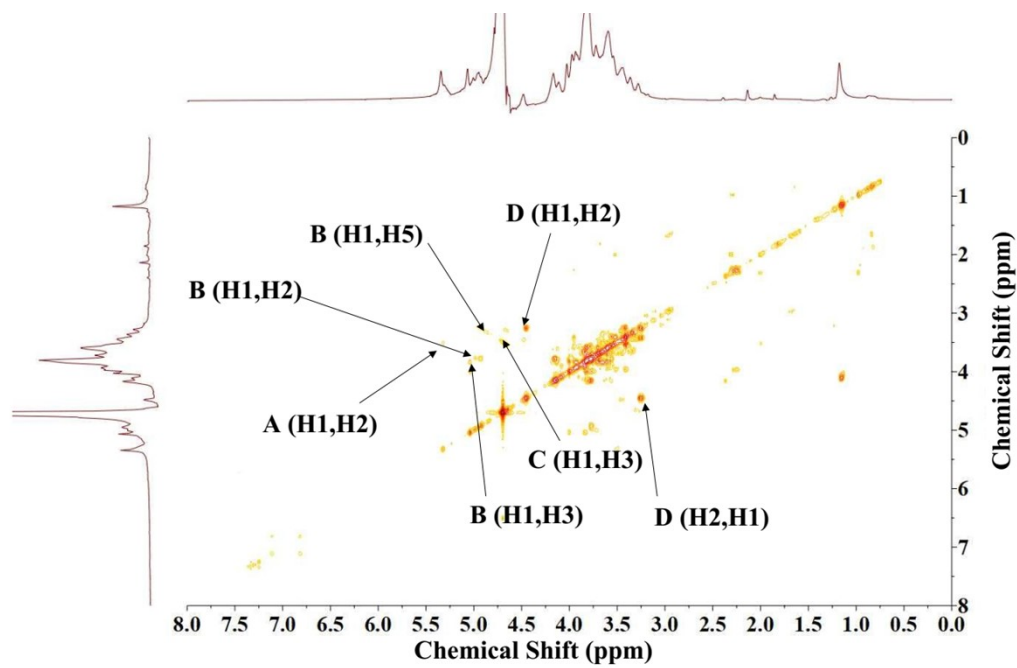


Fig.S10

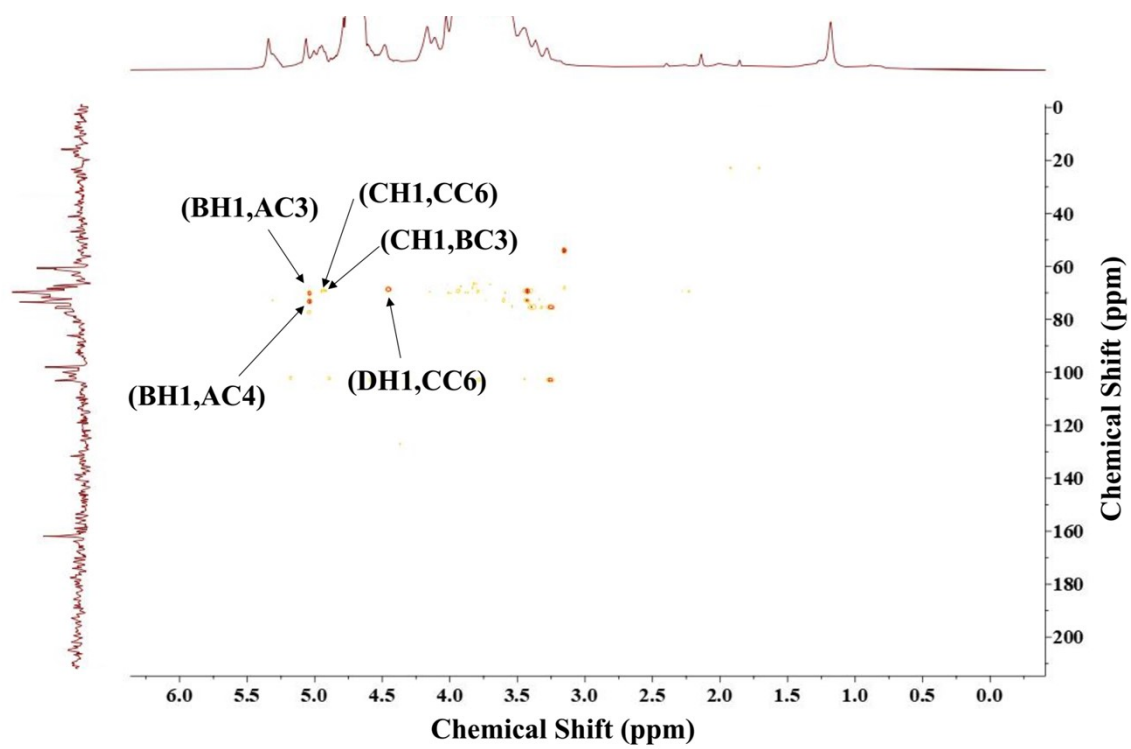


Fig. S11

