

Semi-Preparative Separation of 10 Caffeoylquinic Acid Derivatives Using High Speed Counter-Current Chromatography Combined with Semi-Preparative HPLC from the Roots of Burdock (*Arctium lappa* L.)

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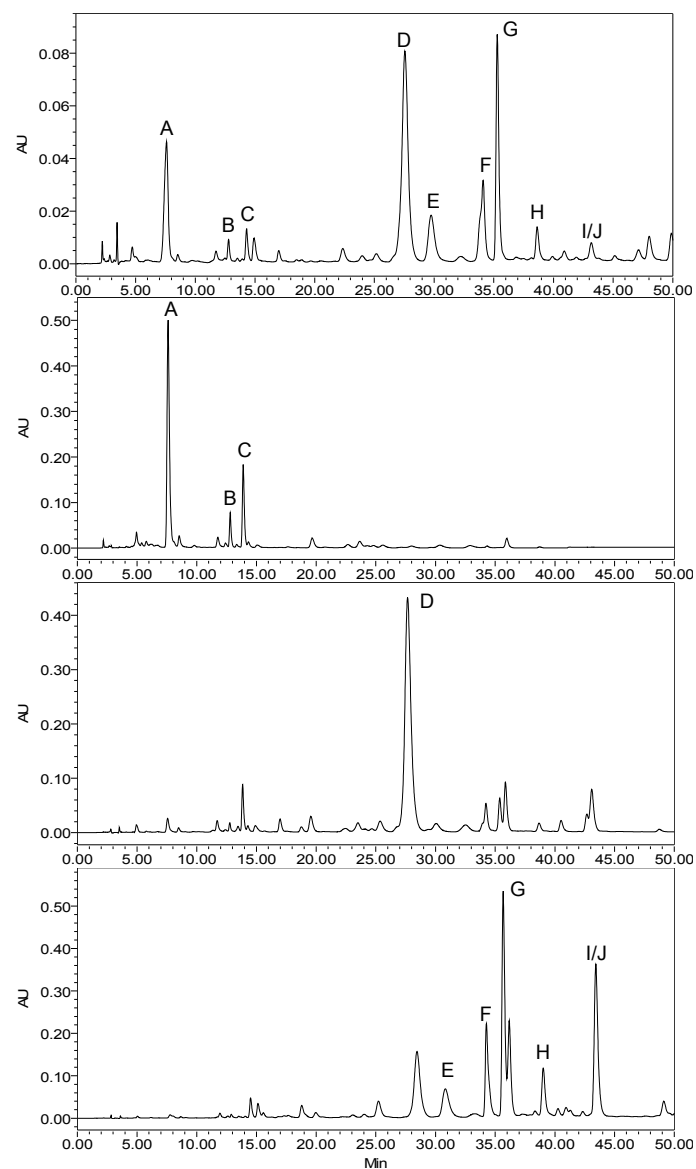


Fig. S1 HPLC chromatograms of ethyl acetate extract and fractions from MCI
 Conditions: column: Phenomenex Gemini-NX C18 (250 mm × 4.6 mm, 5 μ m, 110 Å);
 mobile phase: acetonitrile (A)-water containing 0.1% HCOOH (B) (0-7 min, 15%A;
 7-8 min, 15%-20%A; 8-29 min, 20%A; 29-30 min, 20%-25%A; 30-50min, 25%-
 30%A), temperature: 25 °C; flow-rate: 1.0 ml/min; UV monitor wavelength: 280 nm.

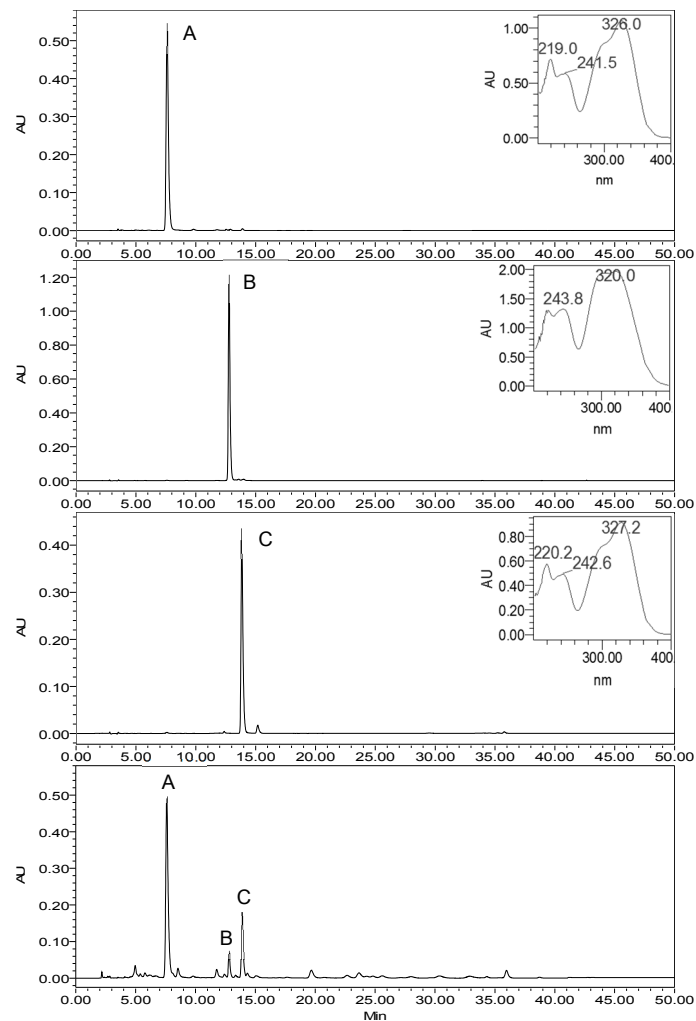


Fig. S2 HPLC chromatograms of purified compound of HSCCC from Fr.1

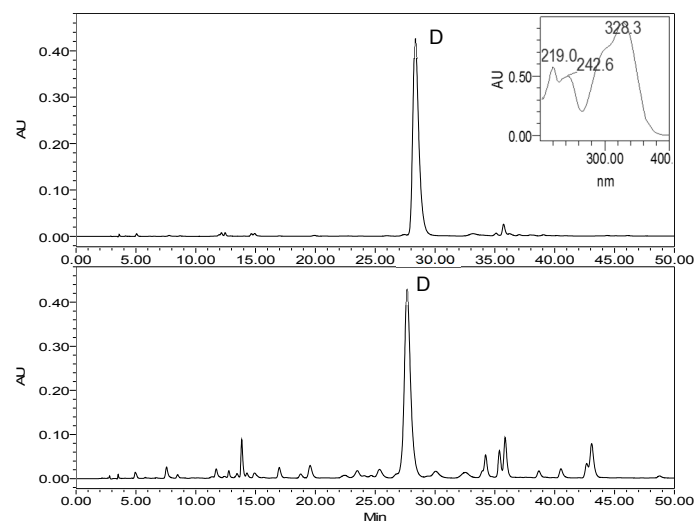


Fig. S3 HPLC chromatograms of purified compound of HSCCC from Fr.2

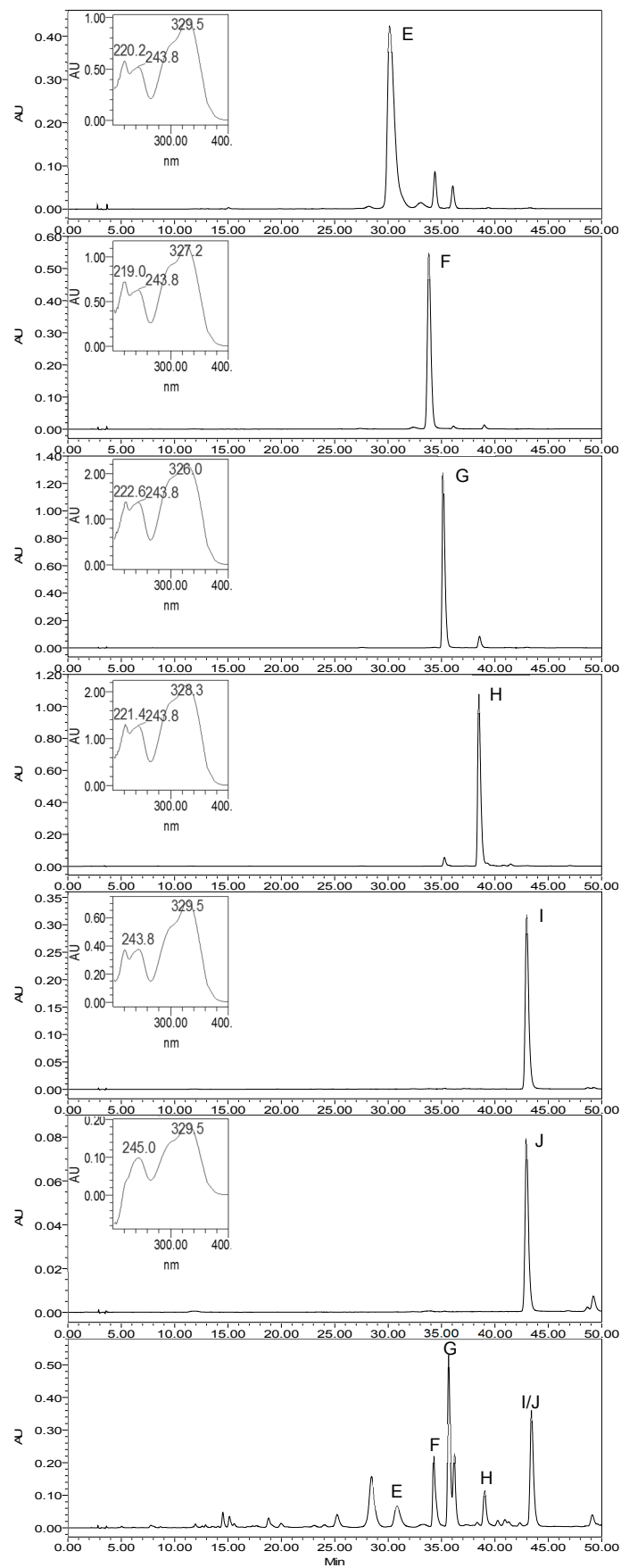


Fig. S4 HPLC chromatograms of purified compound of HSCCC from Fr.3

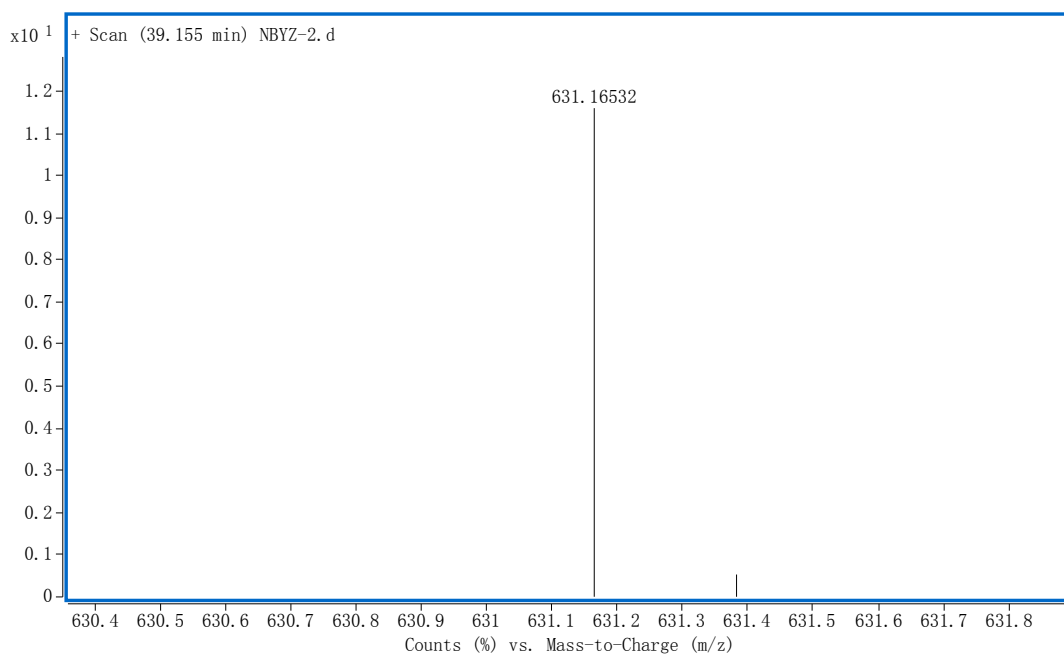


Fig. S5 MS spectrum of compound I

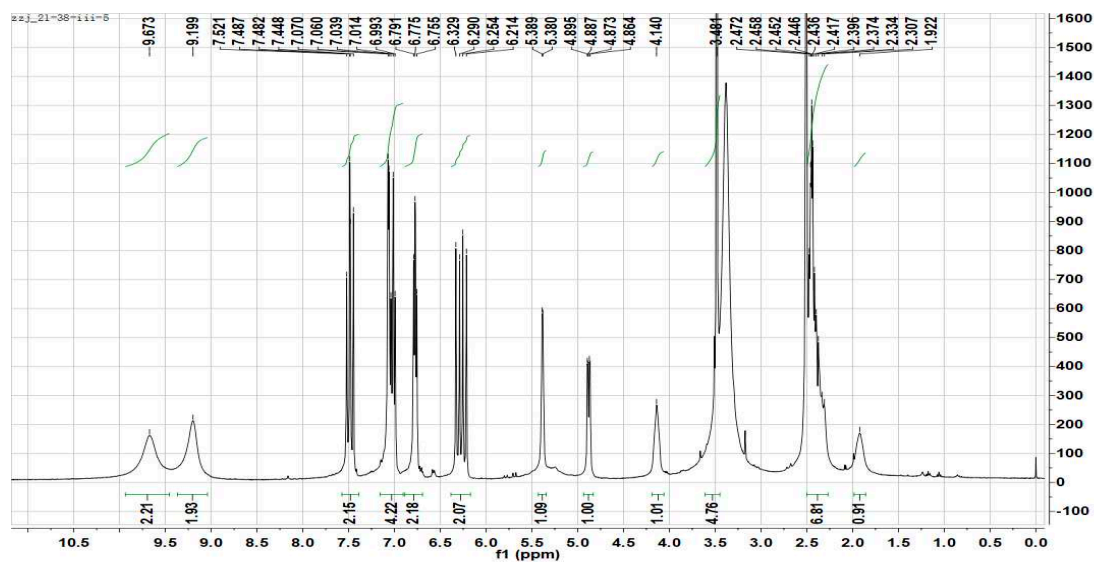


Fig. S6 $^1\text{H-NMR}$ of compound I

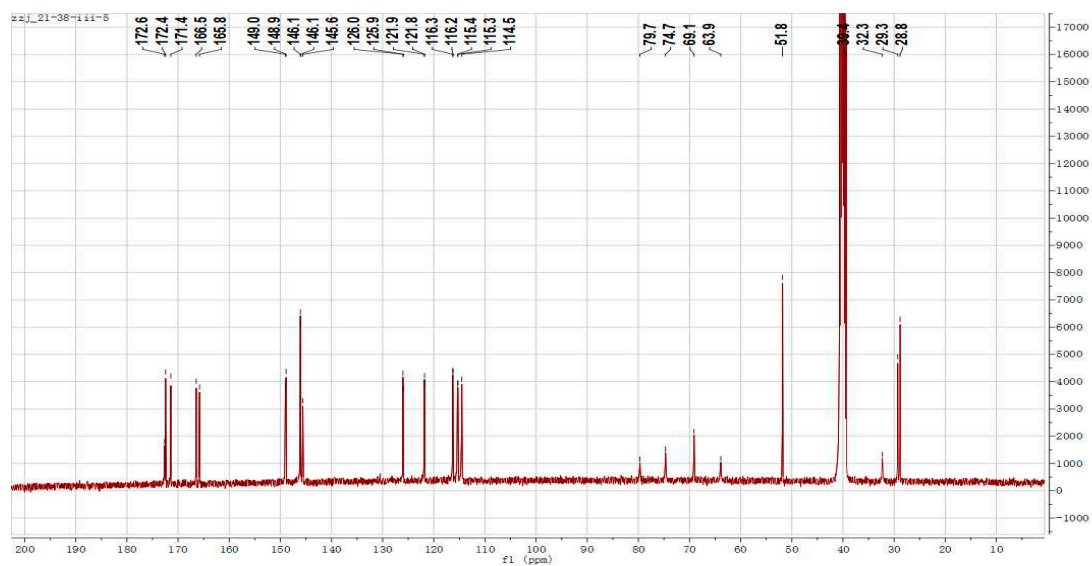


Fig. S7 ¹³C-NMR of compound I

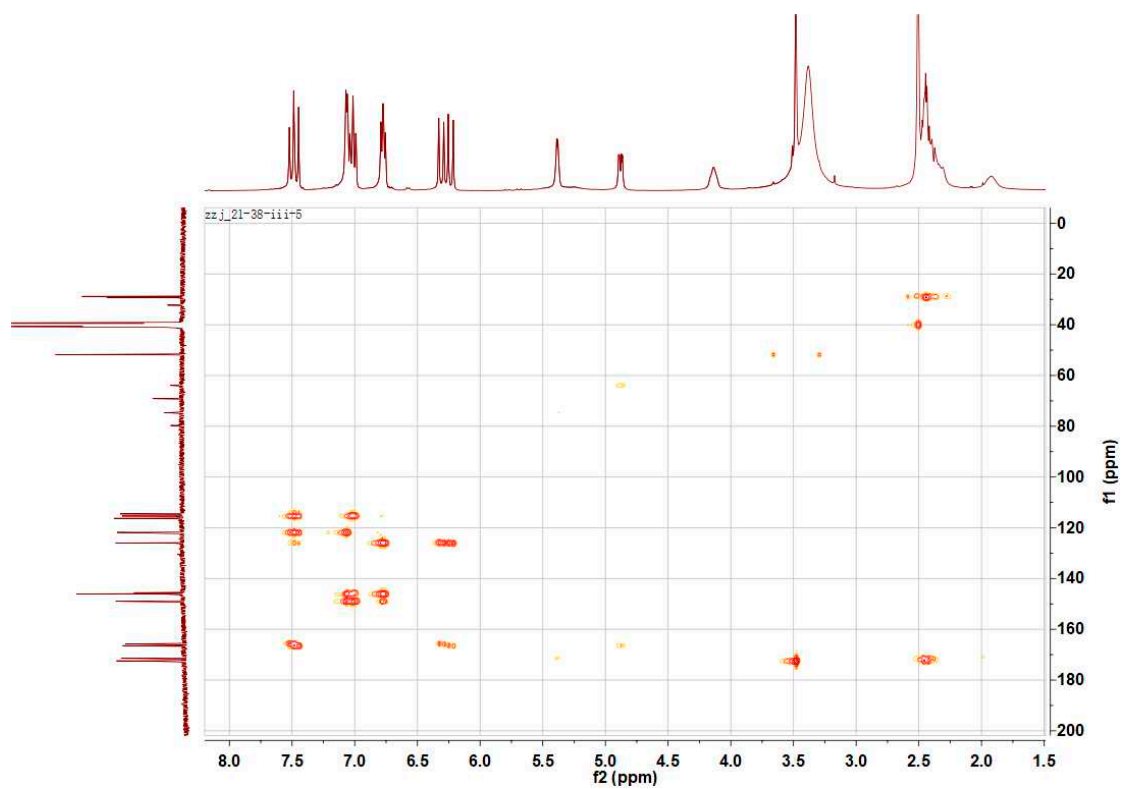


Fig. S8 HMBC of compound I

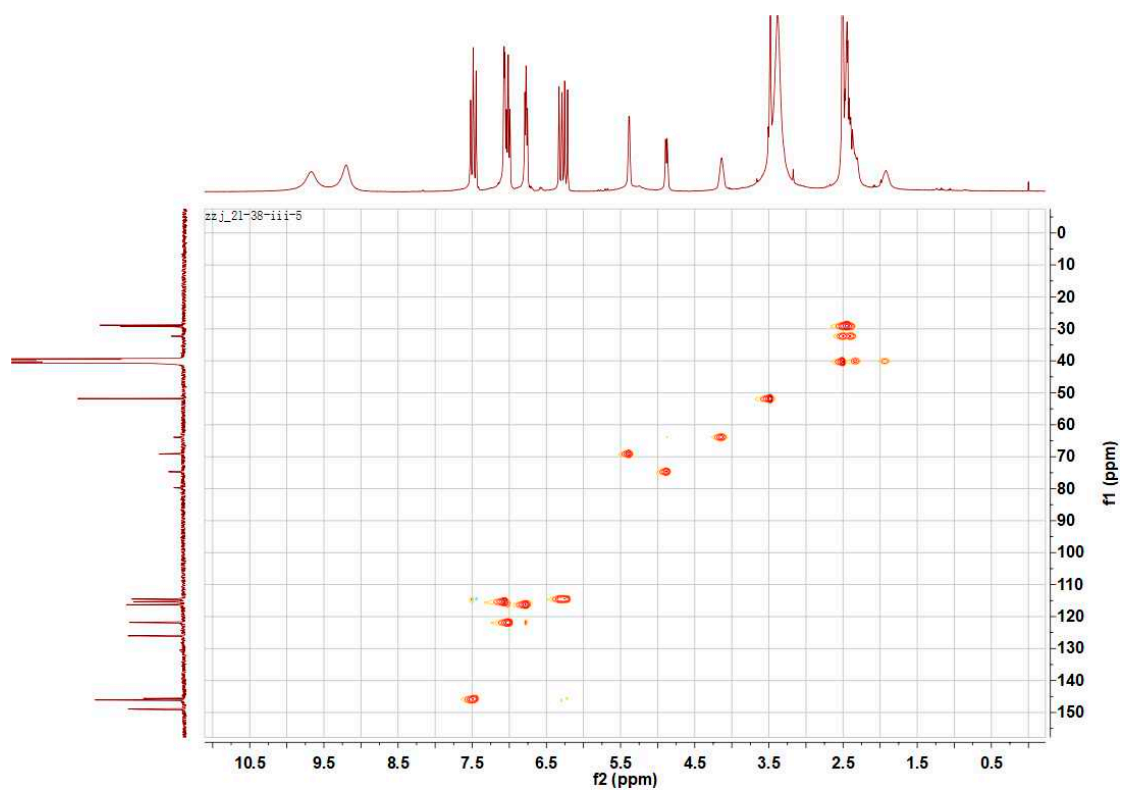


Fig. S9 HMQC of compound I

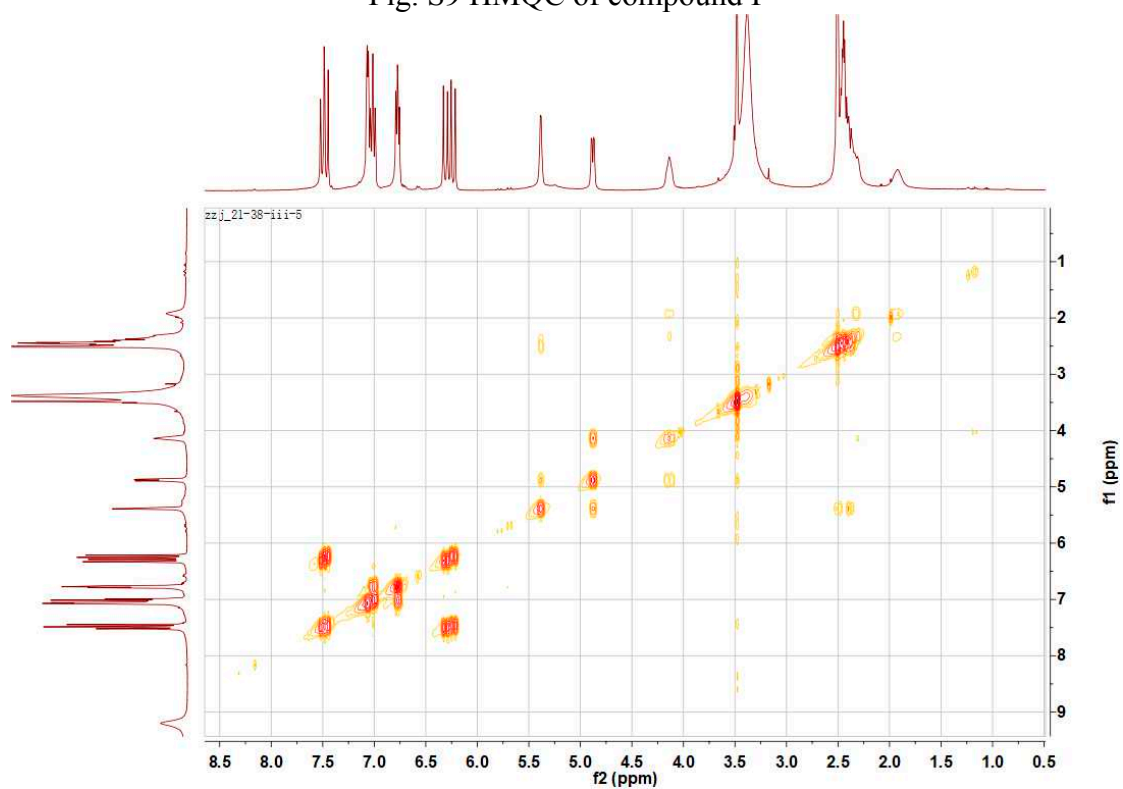


Fig. S10 ¹H-¹H COSY of compound I

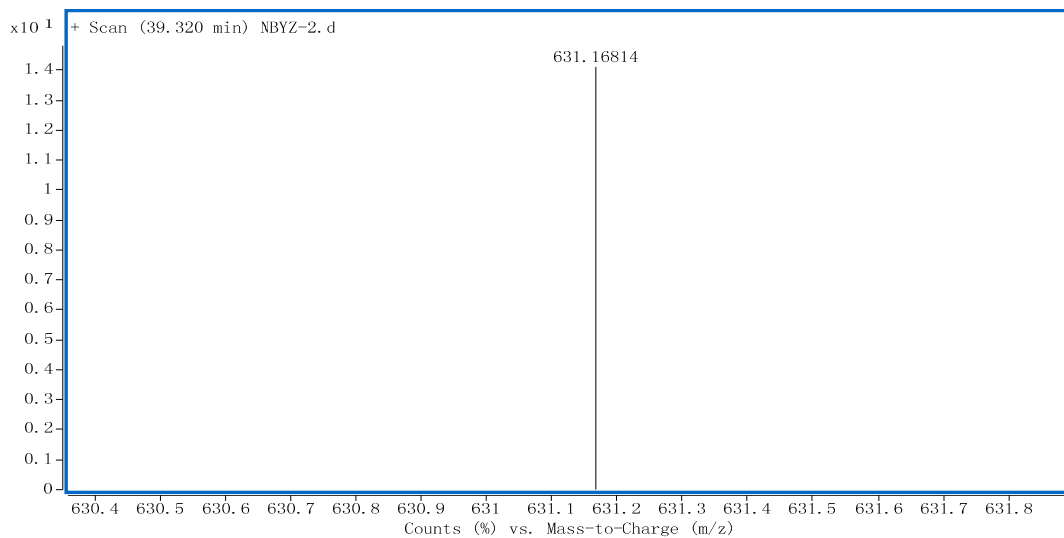


Fig. S11 MS spectrum of compound J

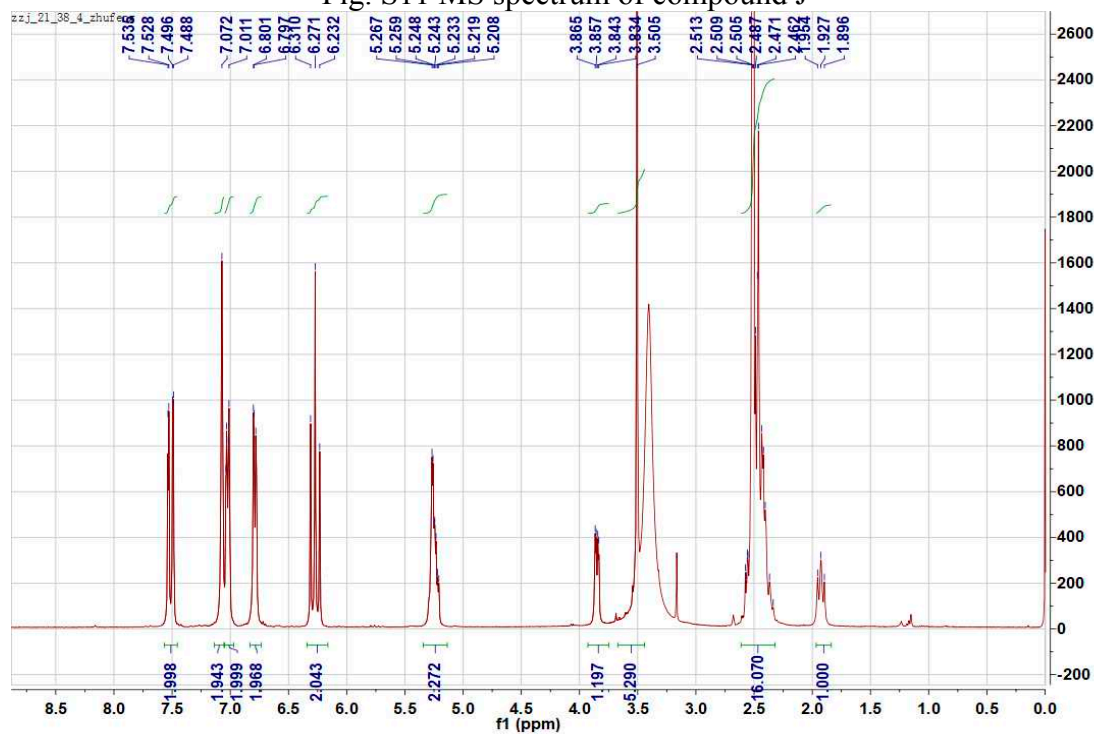


Fig. S12 ¹H-NMR of compound J

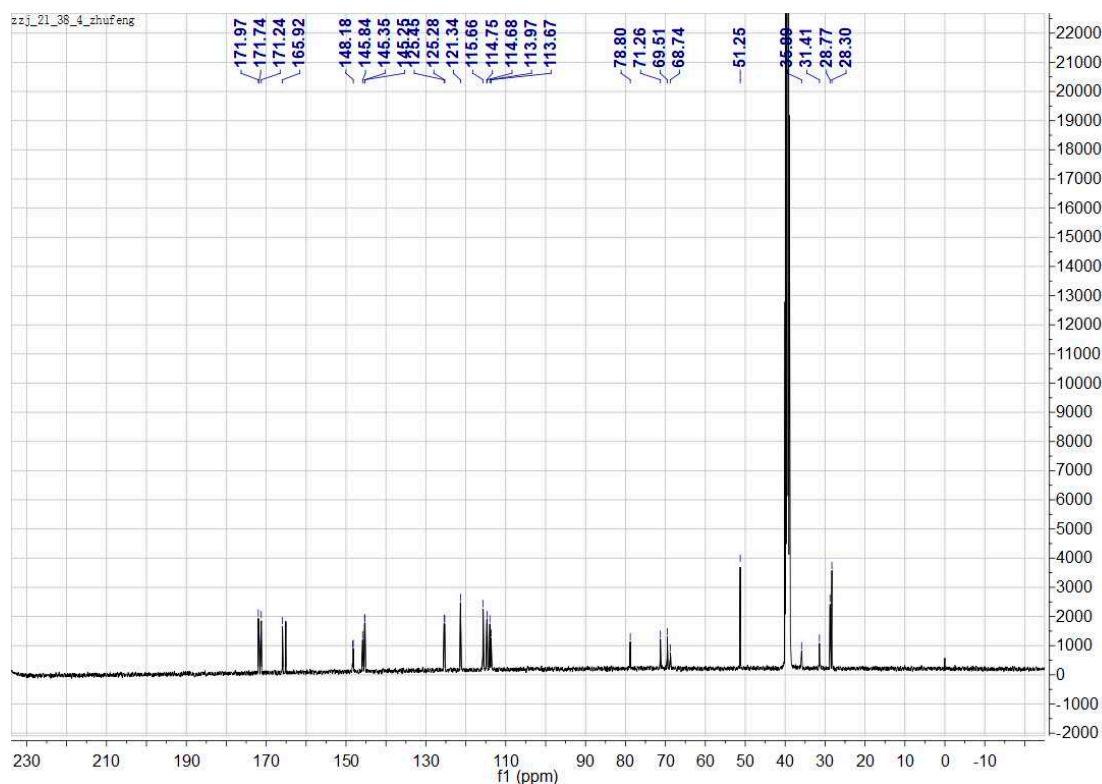


Fig. S13 ^{13}C -NMR of compound J

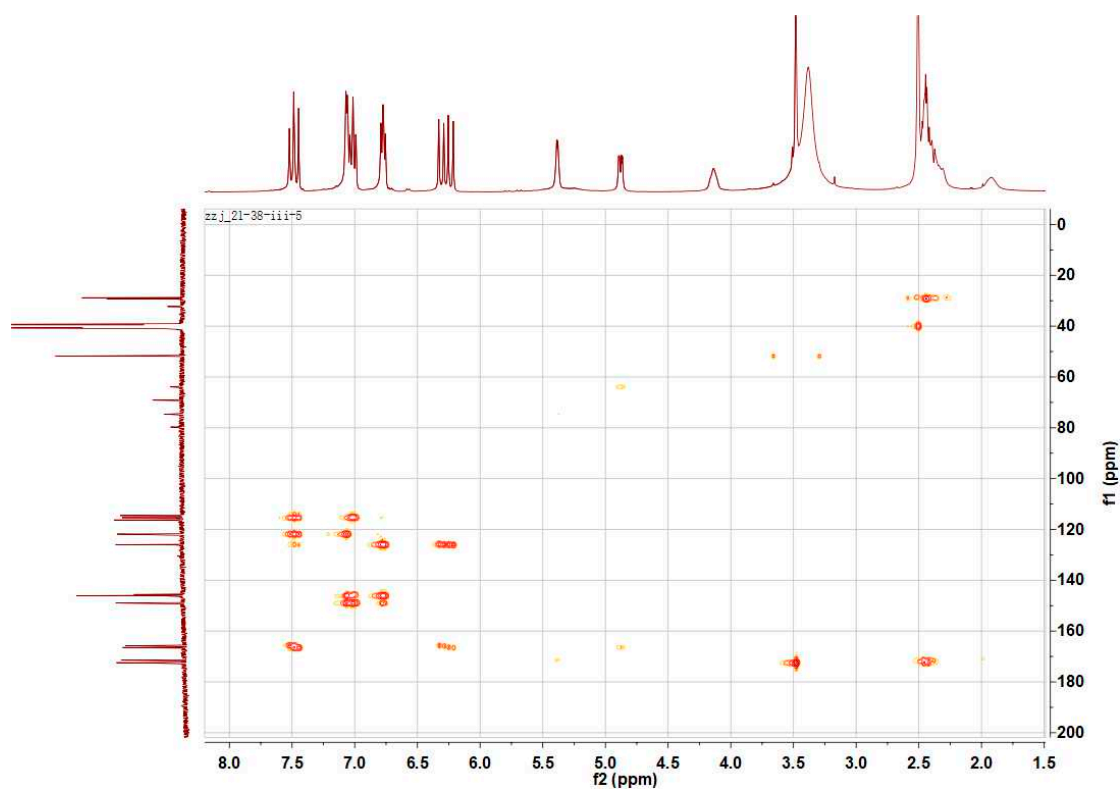


Fig. S14 HMBC of compound J

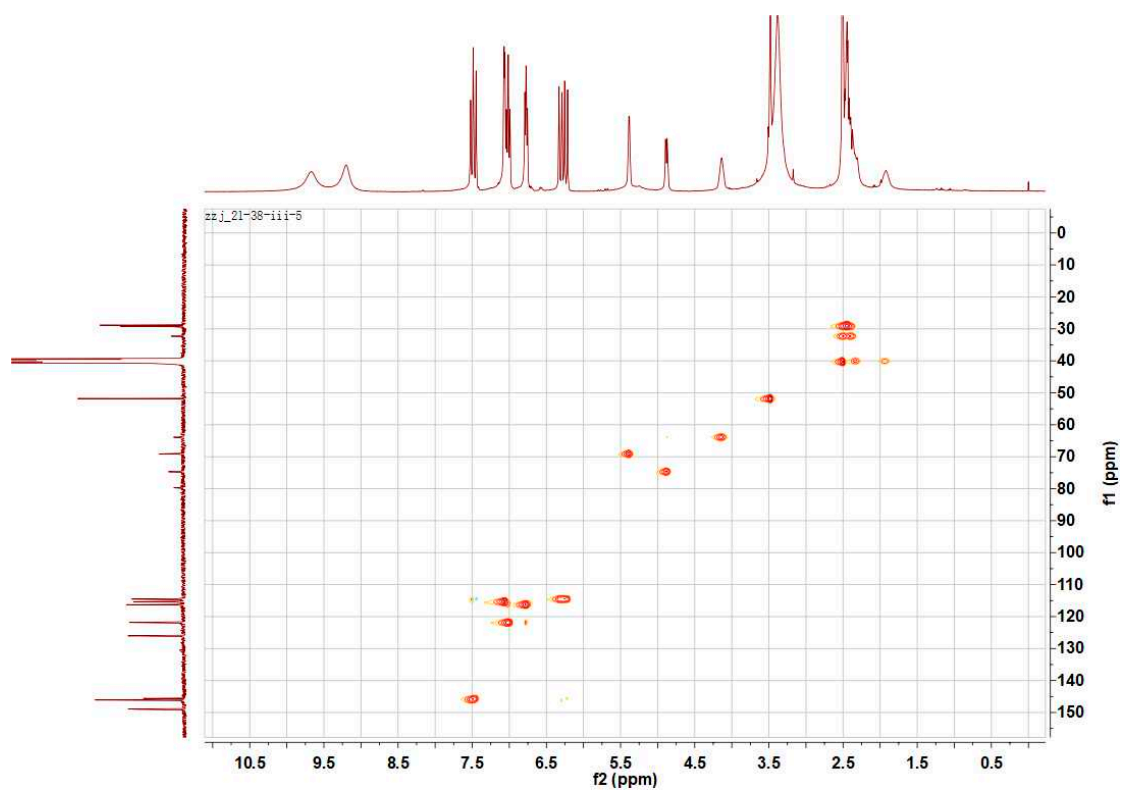


Fig. S15 HMQC of compound J

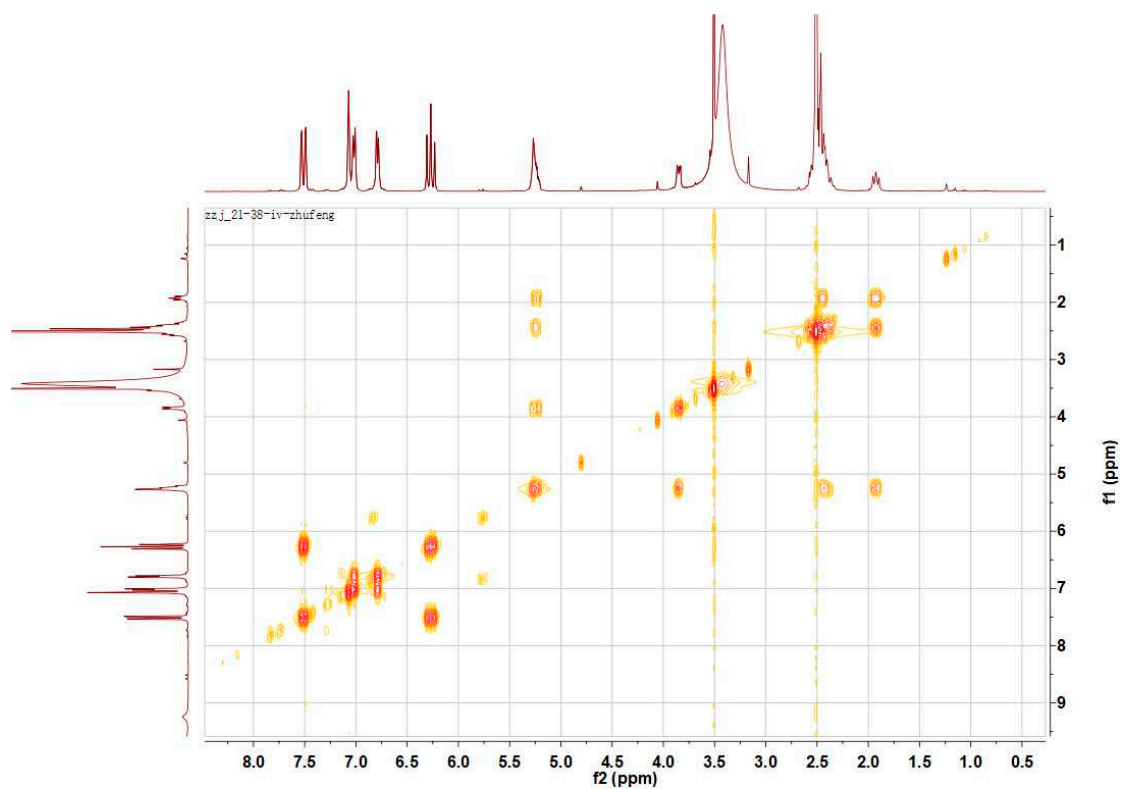


Fig. S16 ^1H - ^1H COSY of compound J