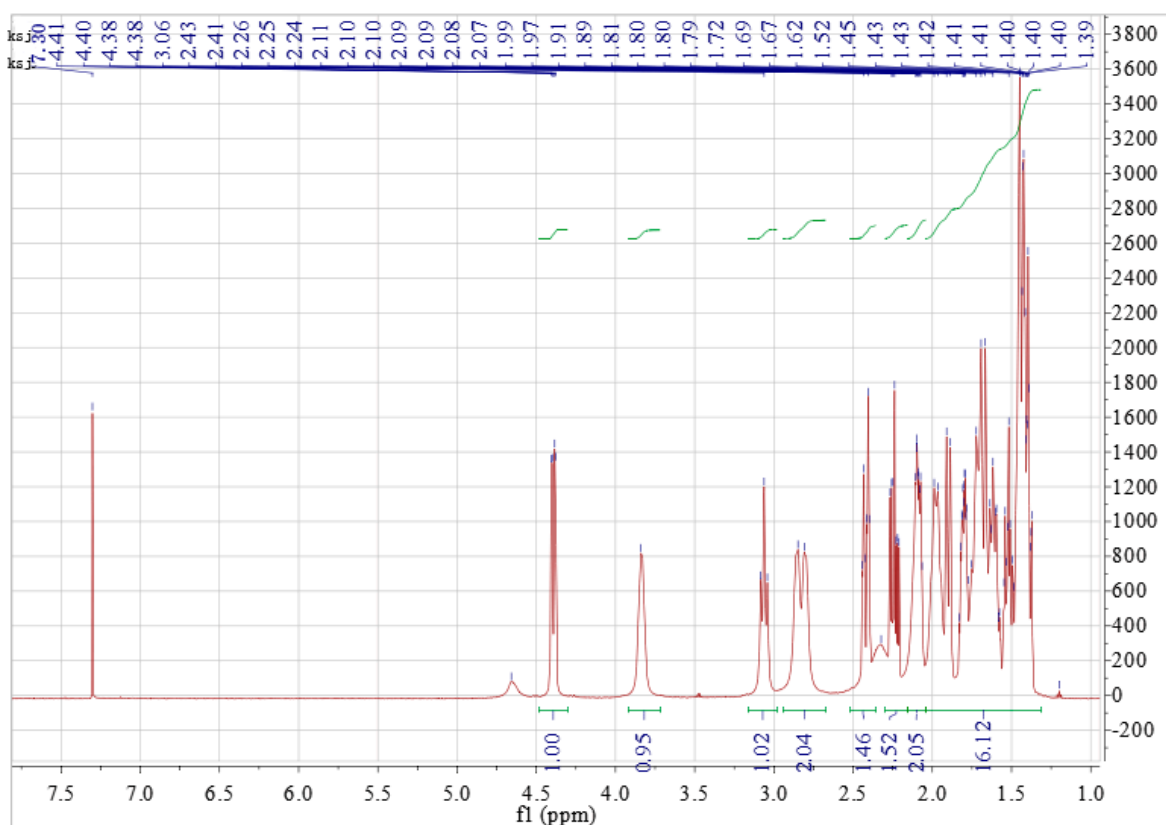


# Supplementary Materials: Matrine Exerts a Strong Anti-Arthritic Effect on Type II Collagen-Induced Arthritis in Rats by Inhibiting Inflammatory Responses

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(a)

Figure S1. Cont.

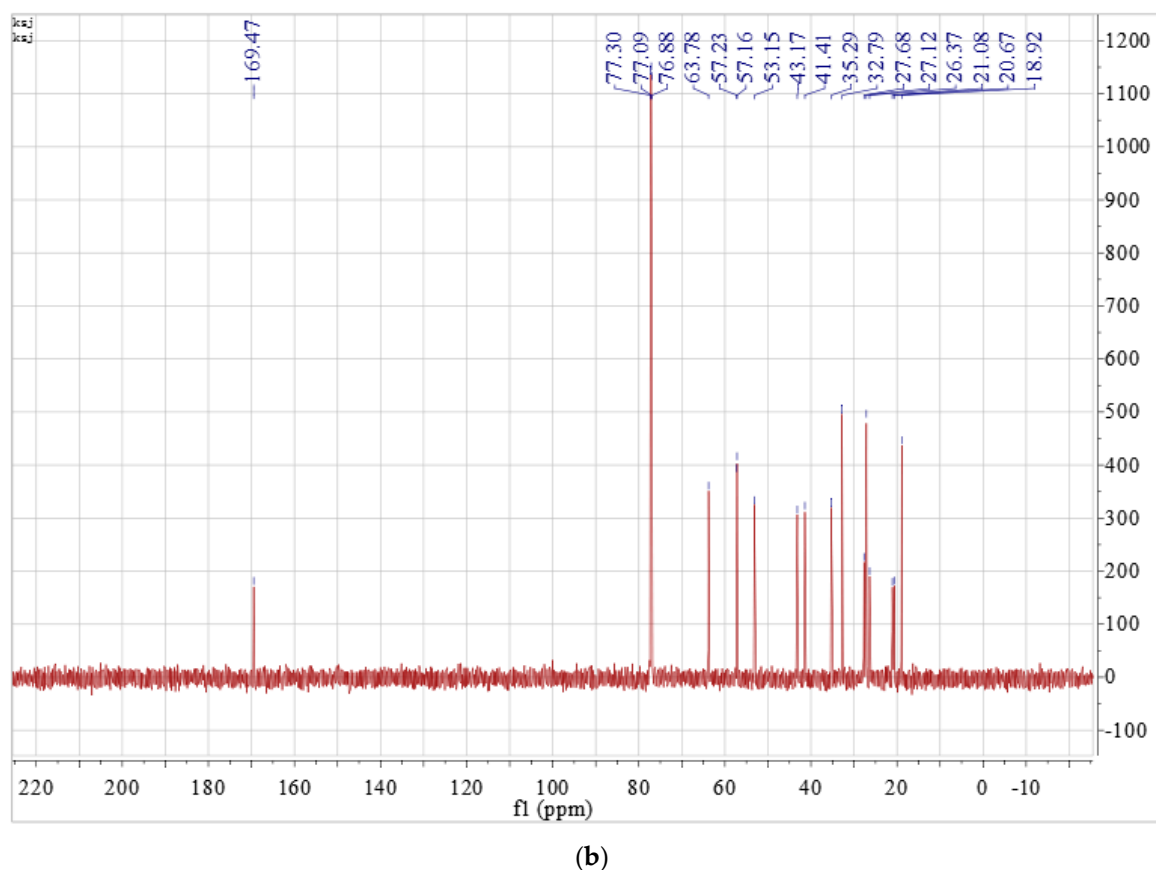


Figure S1. <sup>1</sup>H-NMR (a) and <sup>13</sup>C-NMR (b) spectrum of matrine.

## 1. Materials and Methods

### 1.1. HPLC Analysis of Matrine

Matrine was dissolved in methanol prior to HPLC analysis. This was performed on an Agilent-1100 system with a Zorbax Extend-C18 chromatographic column (250 mm × 4.6 mm, 5 μm) at 30 °C with a H<sub>2</sub>O (+0.2% triethylamine and 0.1% phosphoric acid) (A)/acetonitrile (B) elution system, a sample injection volume of 20 μL, flow rate of 1.0 mL/min, and a detection wavelength 220 nm. Samples were analyzed by using a fixed gradient program as follows: 3% B and 97% A within 13 min.

### 1.2. NMR Measurement

Matrine was dissolved in CDCl<sub>3</sub> prior to NMR analysis. NMR spectra were recorded on a Bruker Avance 600 NMR spectrometer with TMS as an internal standard.