AGRICULTURE AND NATURAL RESOURCES

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Supplementary

First identification of *N-trans*-feruloyltyramine as a key α-glucosidase inhibitor from *Piper sarmentosum* fruits

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Supplementary Figures

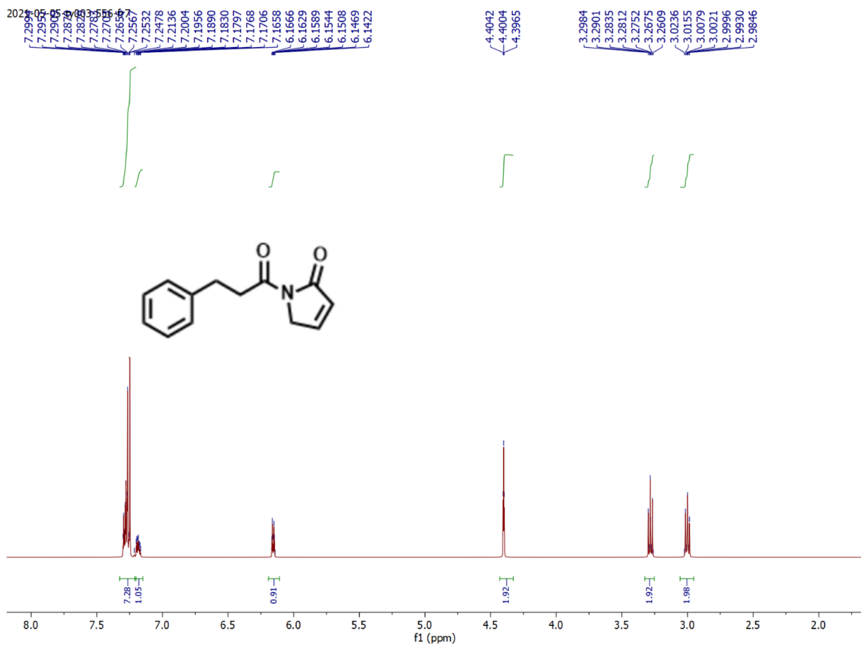

Fig. S1 ^{1}H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **1**, where ppm = parts per million

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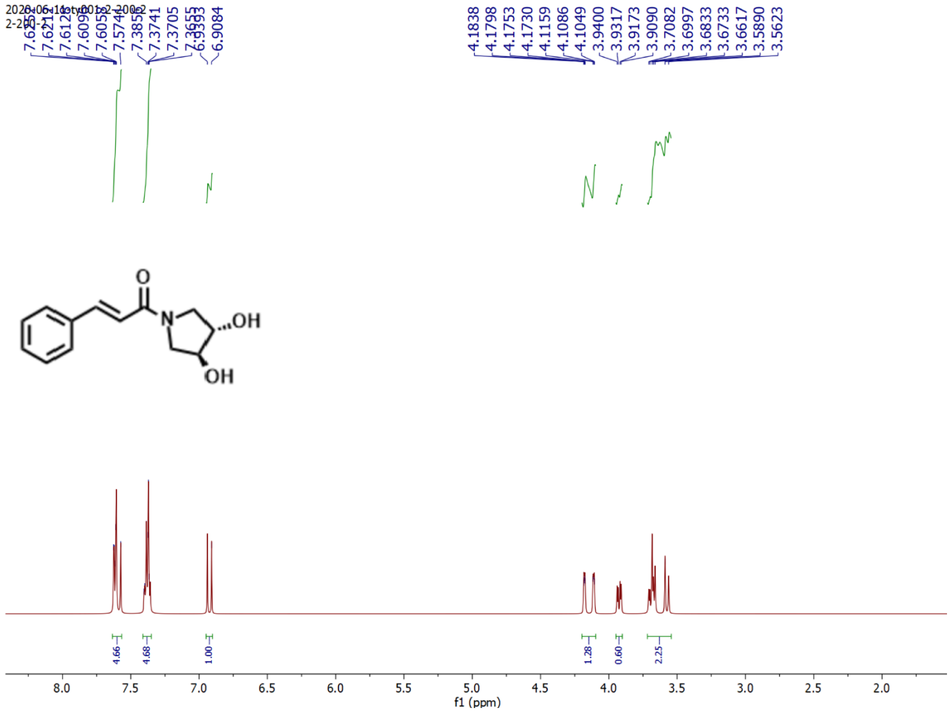

Fig. S2 [1]H nuclear magnetic resonance spectrum (500 MHz; MeOD) of compound **2**, where ppm = parts per million

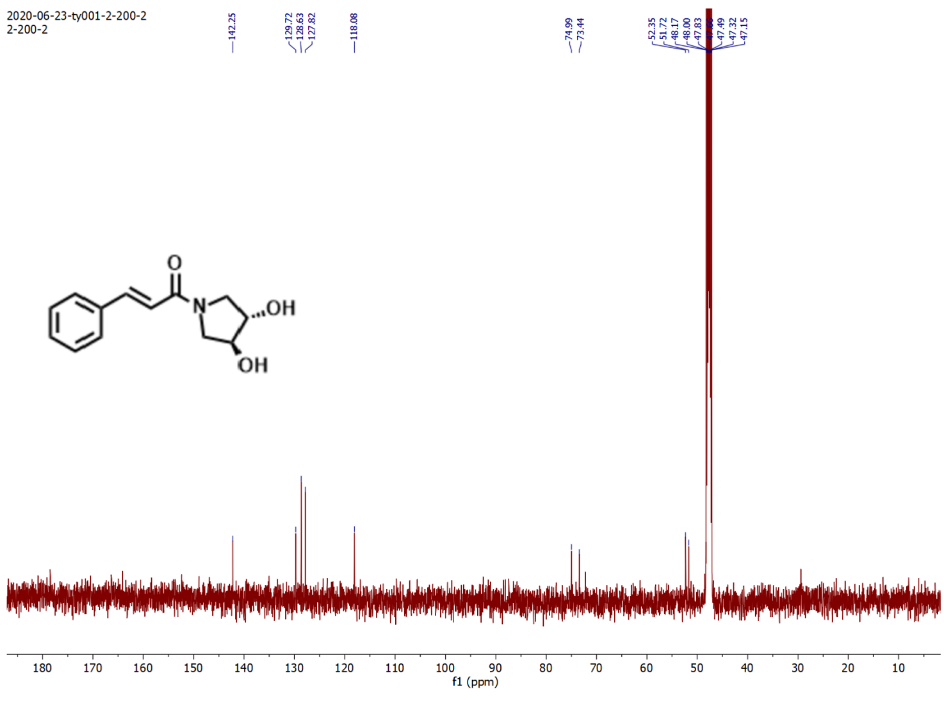

Fig. S3 [13]C nuclear magnetic resonance spectrum (125 MHz; MeOD) of compound **2**, where ppm = parts per million

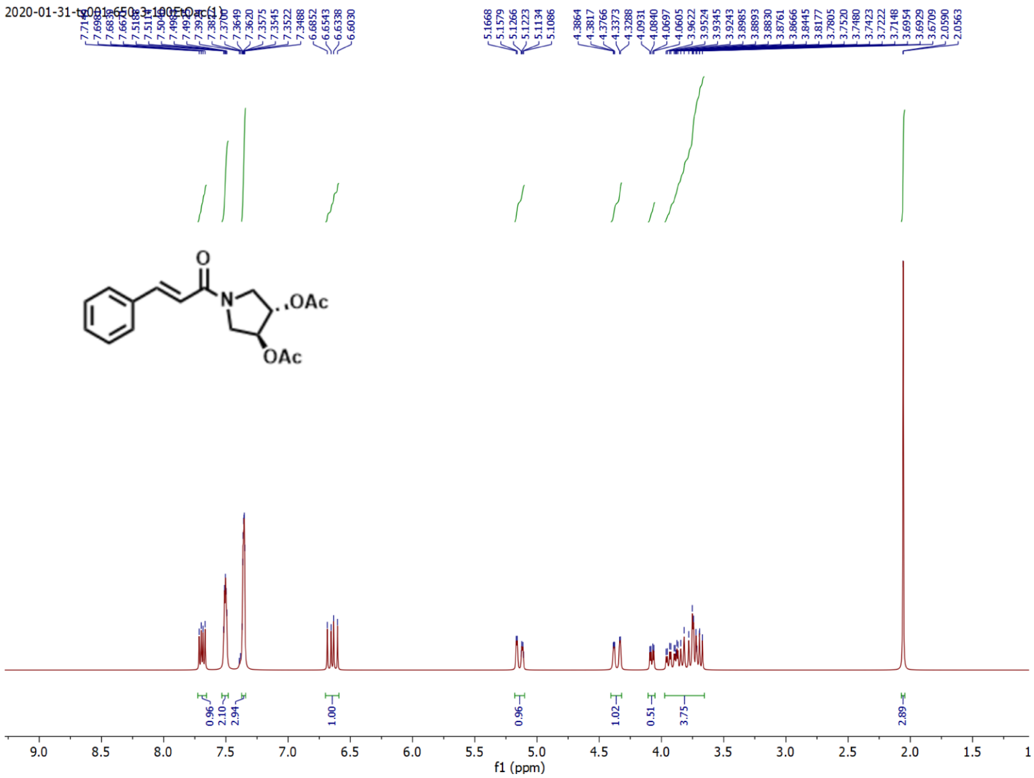

Fig. S4 ^{1}H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **3**, where ppm = parts per million

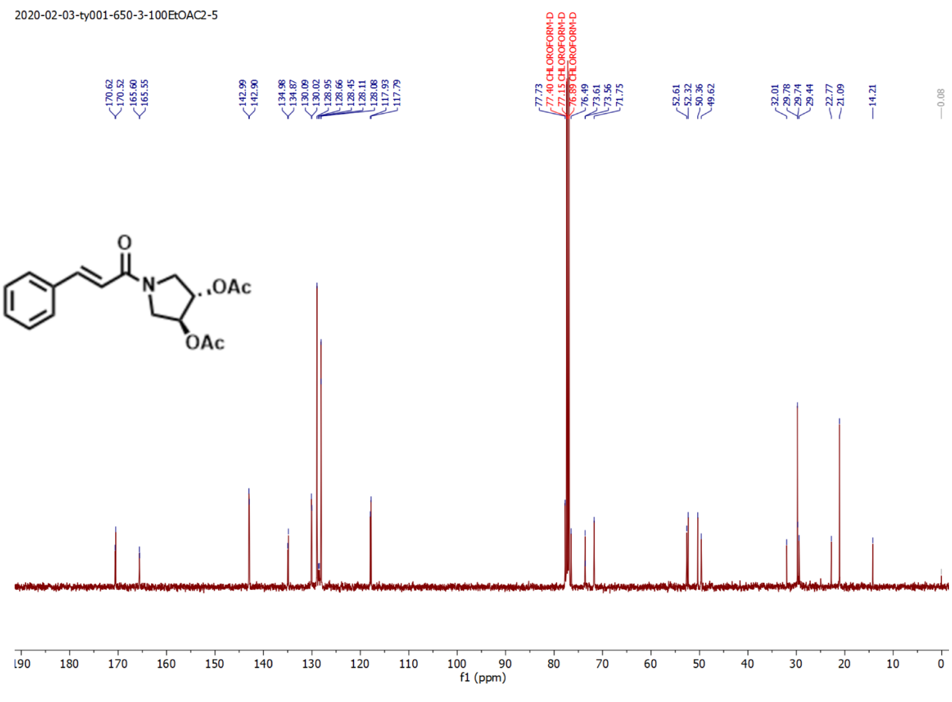

Fig. S5 ^{13}C nuclear magnetic resonance spectrum (125 MHz; $CDCl_3$) of compound **3**, where ppm = parts per million

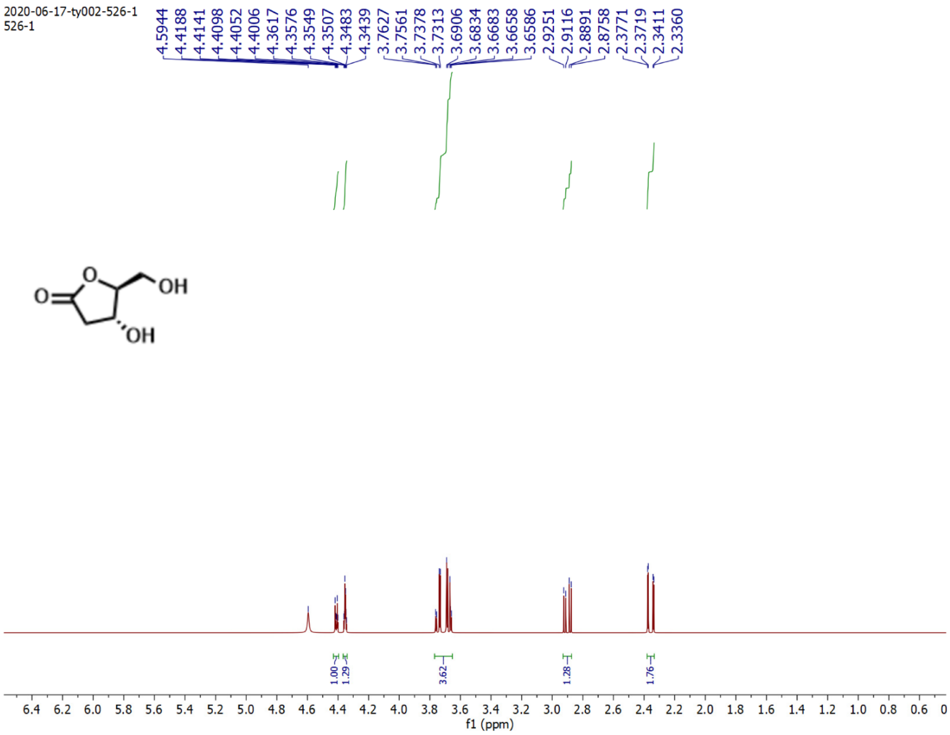

Fig. S6 [1]H nuclear magnetic resonance spectrum (500 MHz; MeOD) of compound **4**, where ppm = parts per million

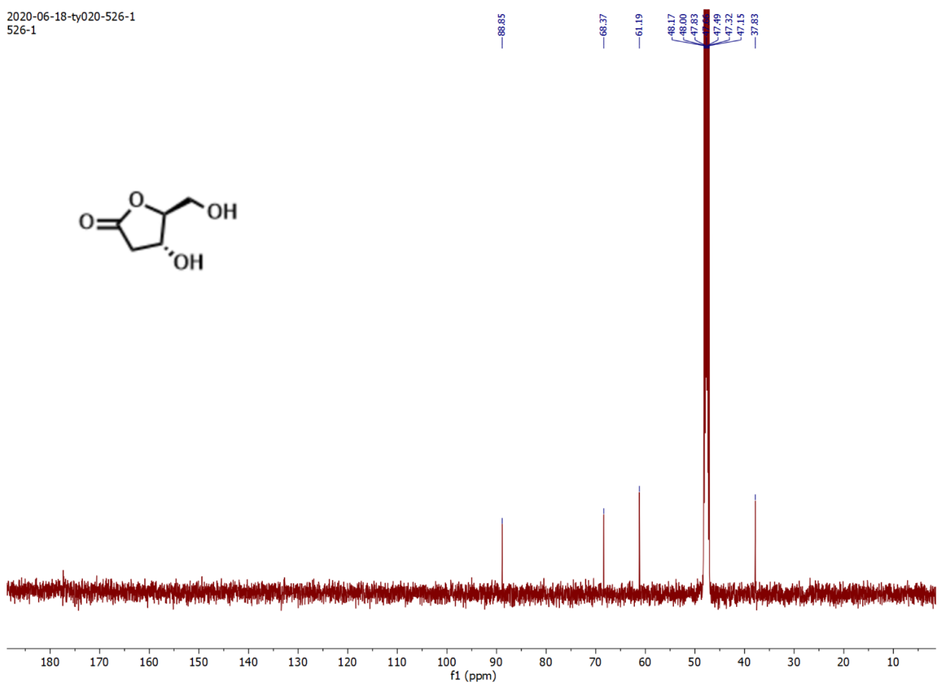

Fig. S7 [13]C nuclear magnetic resonance spectrum (125 MHz; MeOD) of compound **4**, where ppm = parts per million

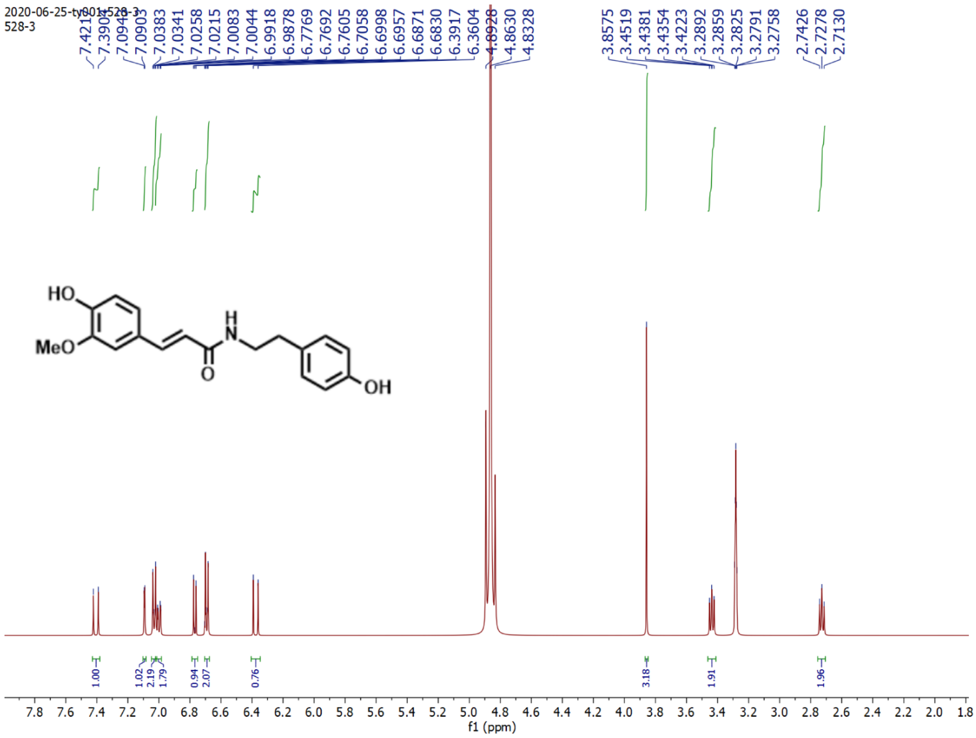

Fig. S8 [1]H nuclear magnetic resonance spectrum (400 MHz; MeOD) of compound **5**, where ppm = parts per million

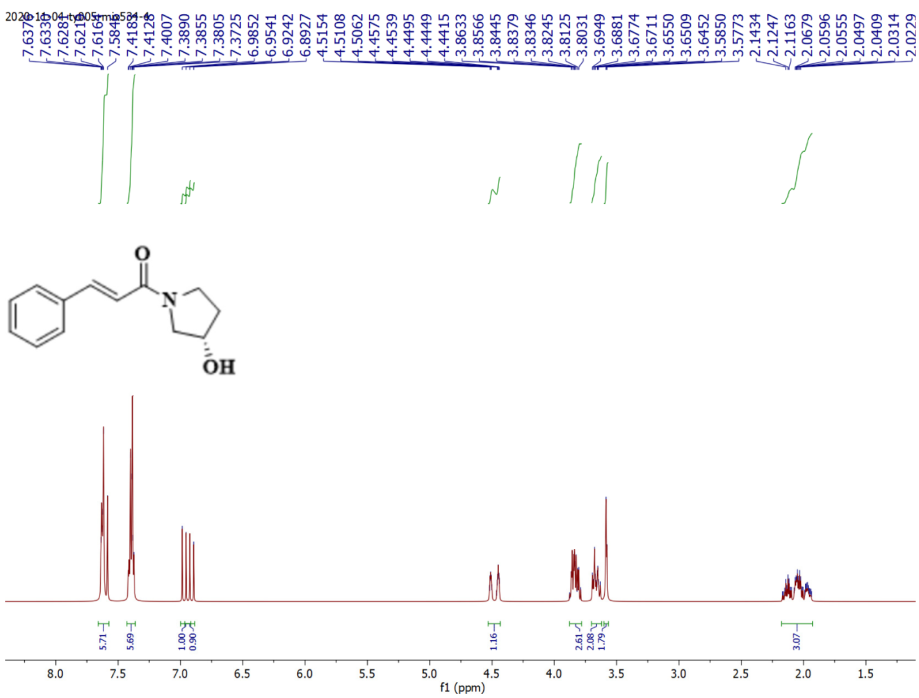

Fig. S9 [1]H nuclear magnetic resonance spectrum (500 MHz; MeOD) of compound **6**, where ppm = parts per million

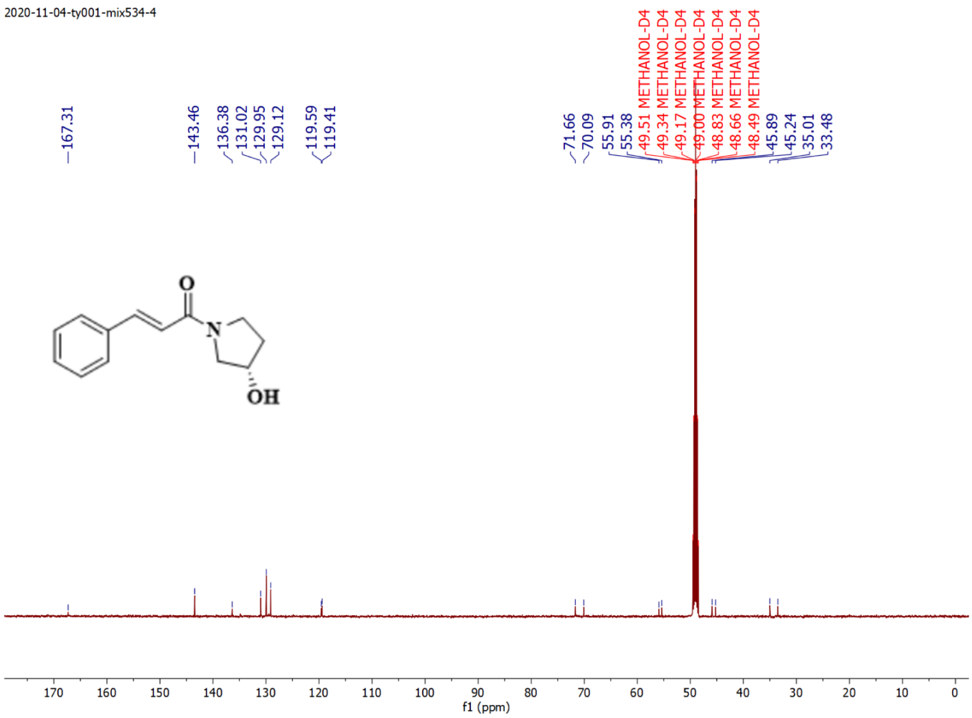

Fig. S10 [13]C nuclear magnetic resonance spectrum (125 MHz; MeOD) of compound **6**, where ppm = parts per million

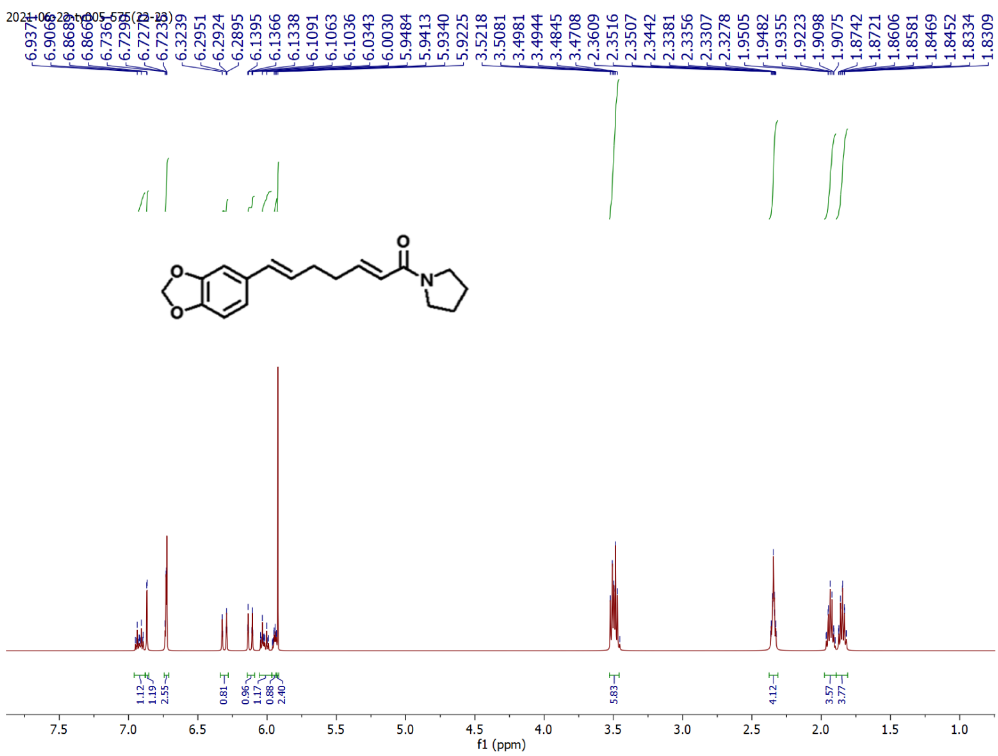

Fig. S11 [1]H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **7**, where ppm = parts per million

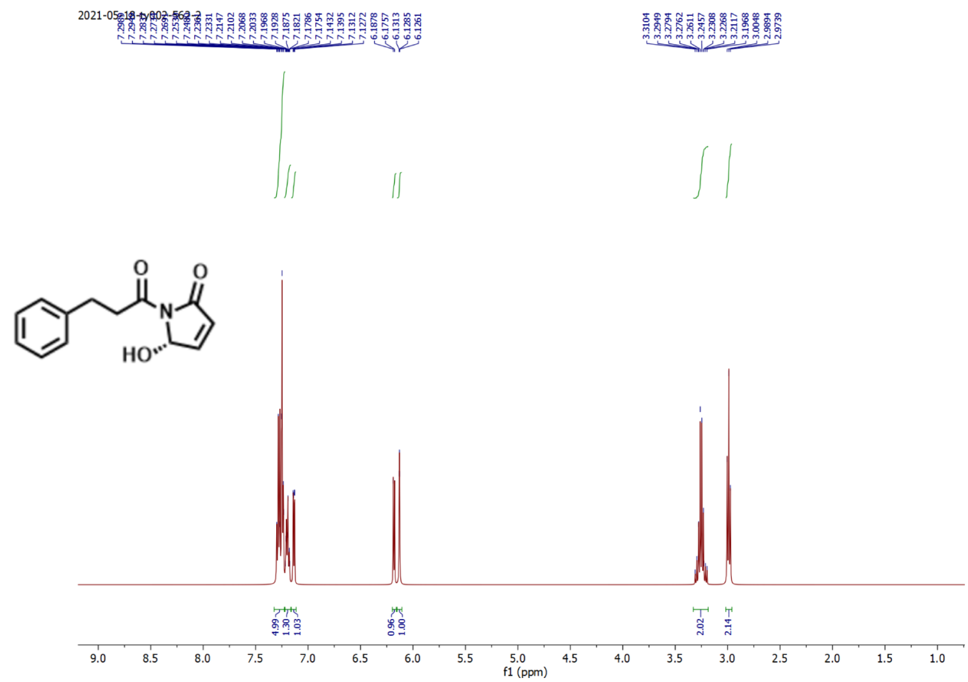

Fig. S12 [1]H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **8**, where ppm = parts per million

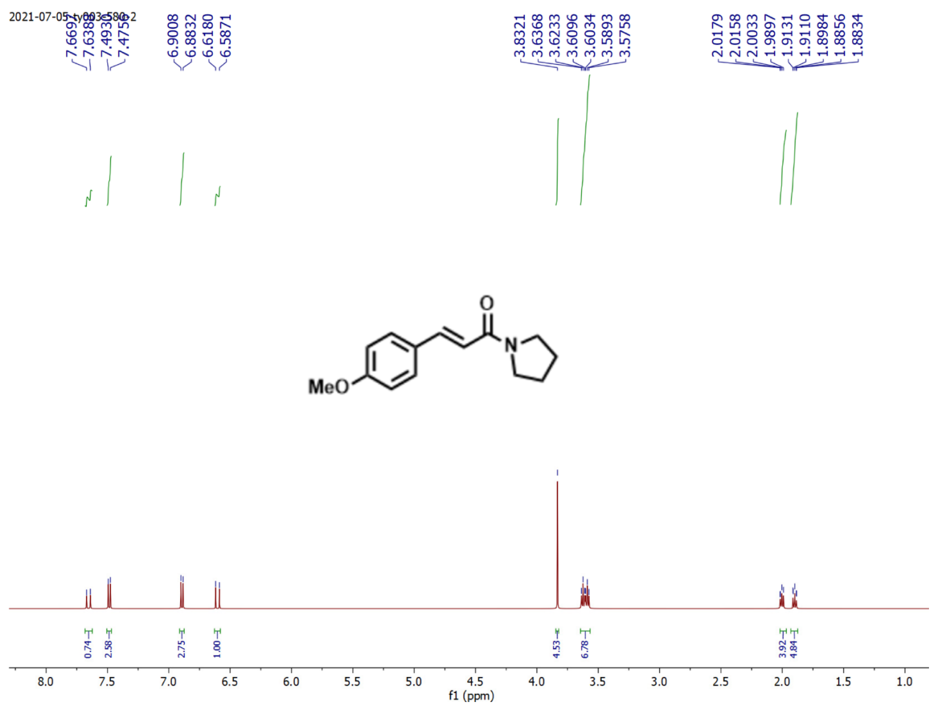

Fig. S13 [1]H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **9**, where ppm = parts per million

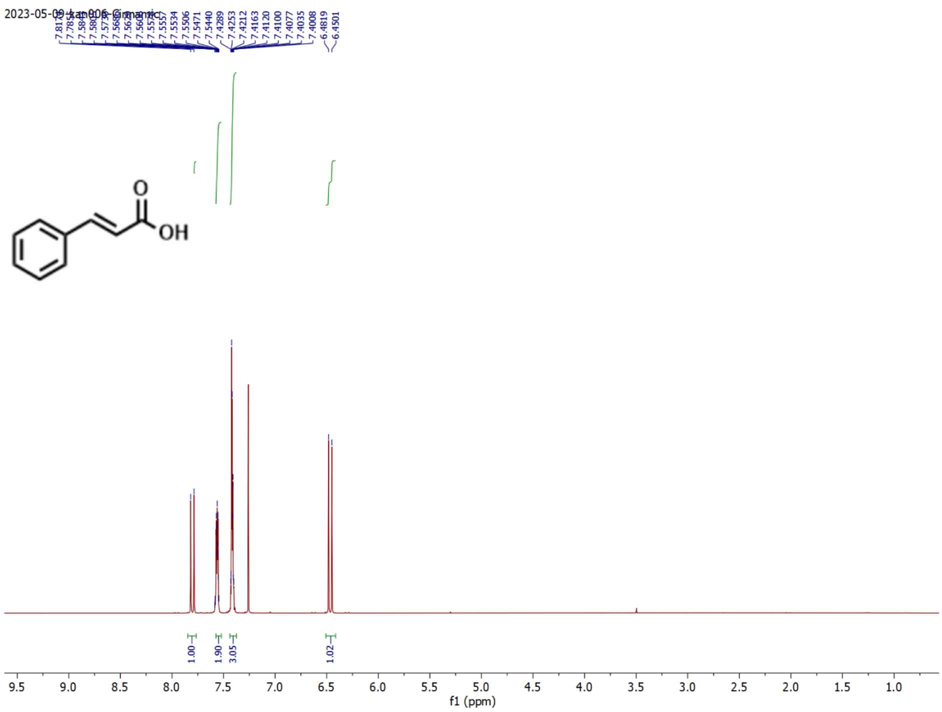

Fig. S14 ^{1}H nuclear magnetic resonance spectrum (500 MHz; $CDCl_3$) of compound **10**, where ppm = parts per million