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Article

Lipase Assisted (*S*)-Ketoprofen Resolution from Commercially Available Racemic Mixture

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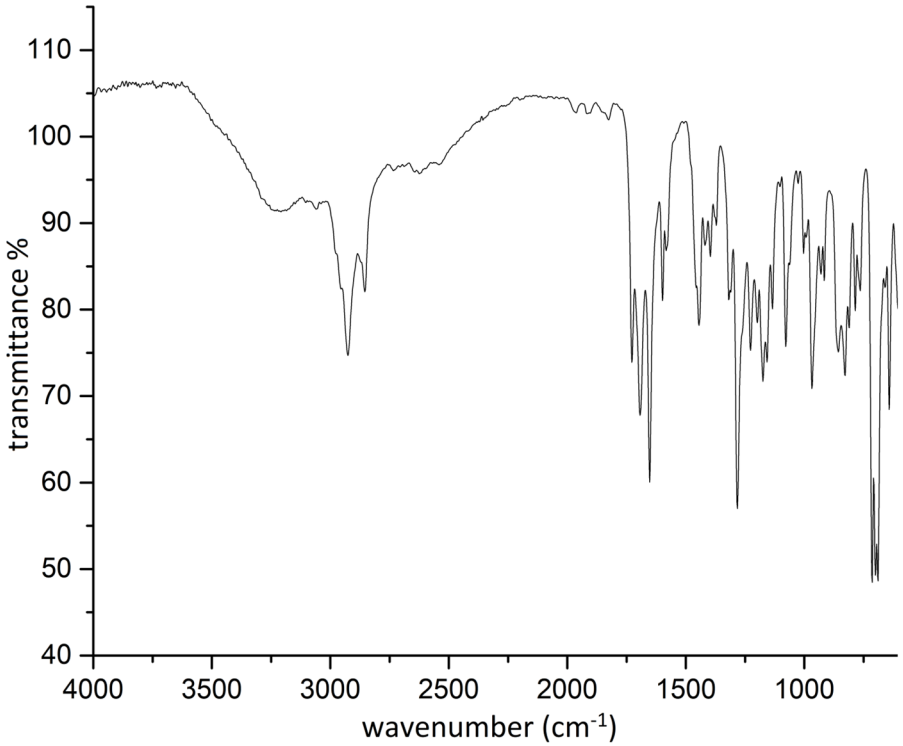

Figure S1. (*R,S*)-Ketoprofen FTIR spectrum.

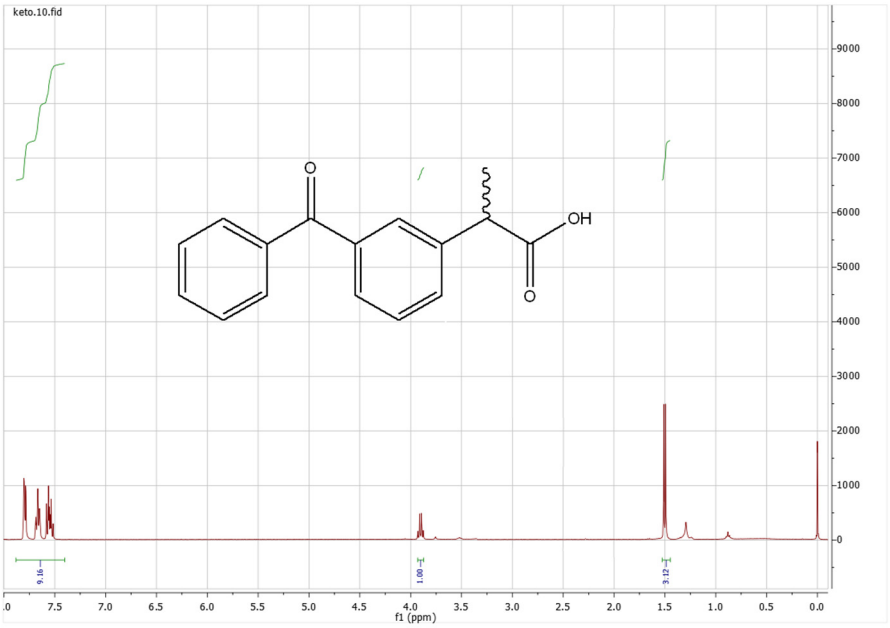

Figure S2. (*R,S*)-Ketoprofen ^{1}H NMR spectrum.

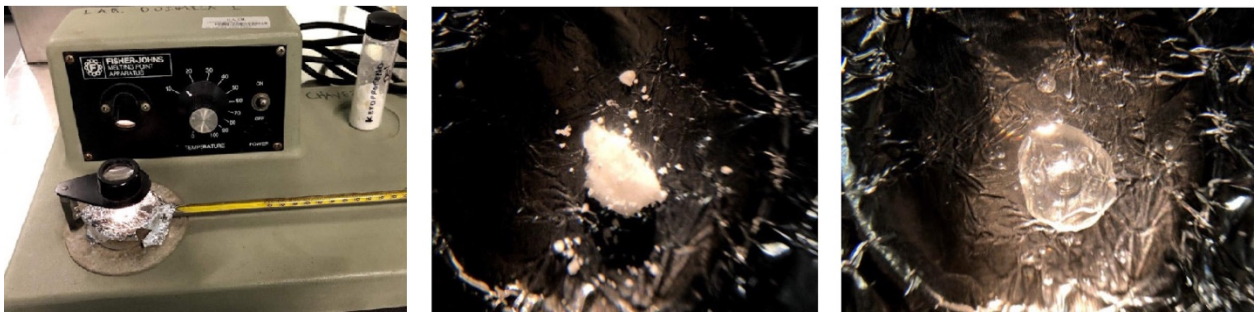

Figure S3. Racemic ketoprofen melting point experiment. (m.p. = 93-94 °C).

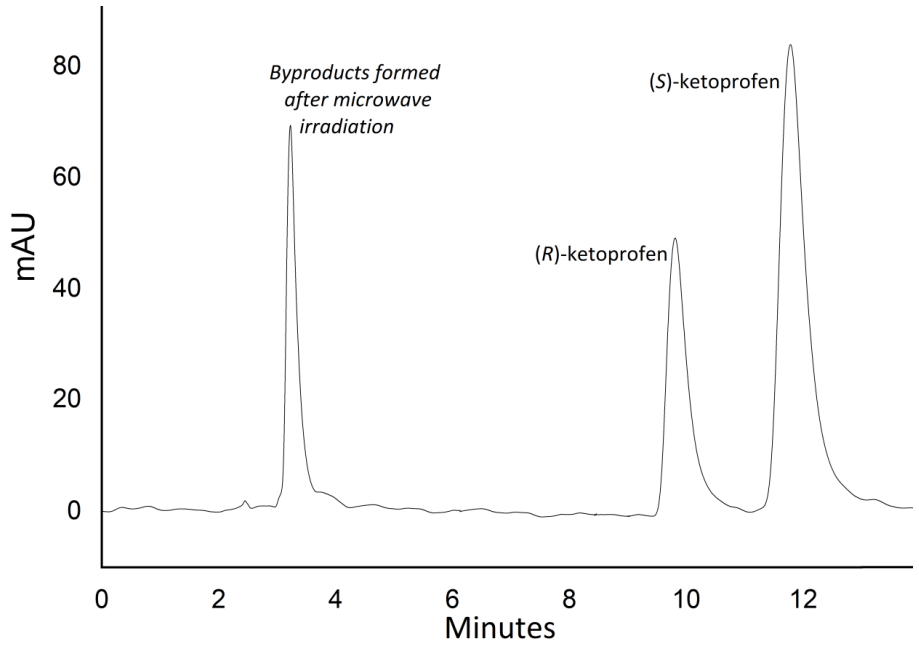

Figure S4. HPLC chromatogram with the evidence of byproduct formation during the microwave racemization attempt. For this experiment, pure (S)-ketoprofen was used as pure enantiomer to study its racemization using microwave as energy source.

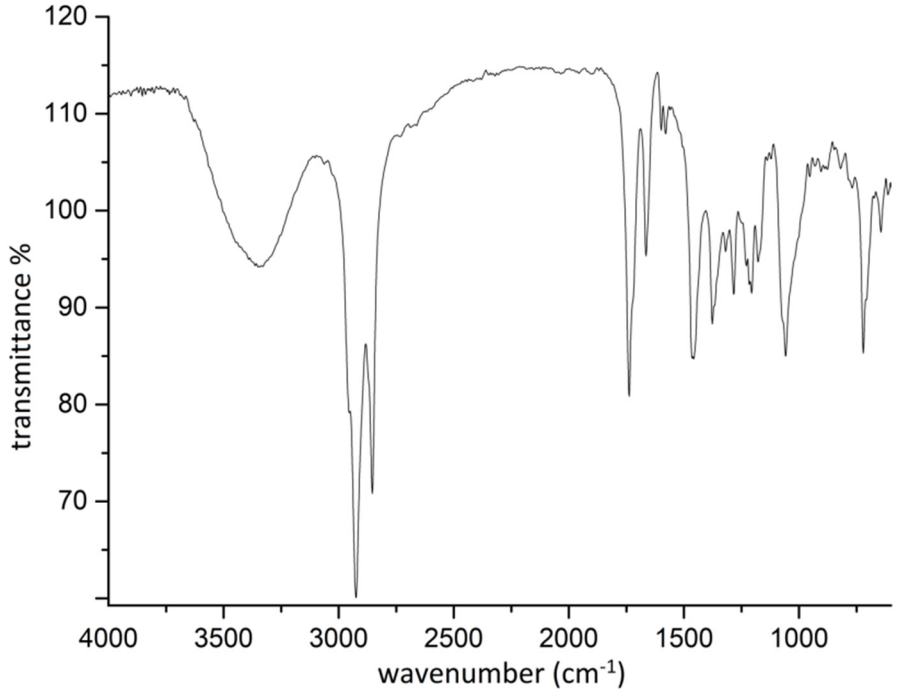

Figure S5. (*S*)-decyl ketoprofen ester FTIR spectrum (dissolved in methanol).

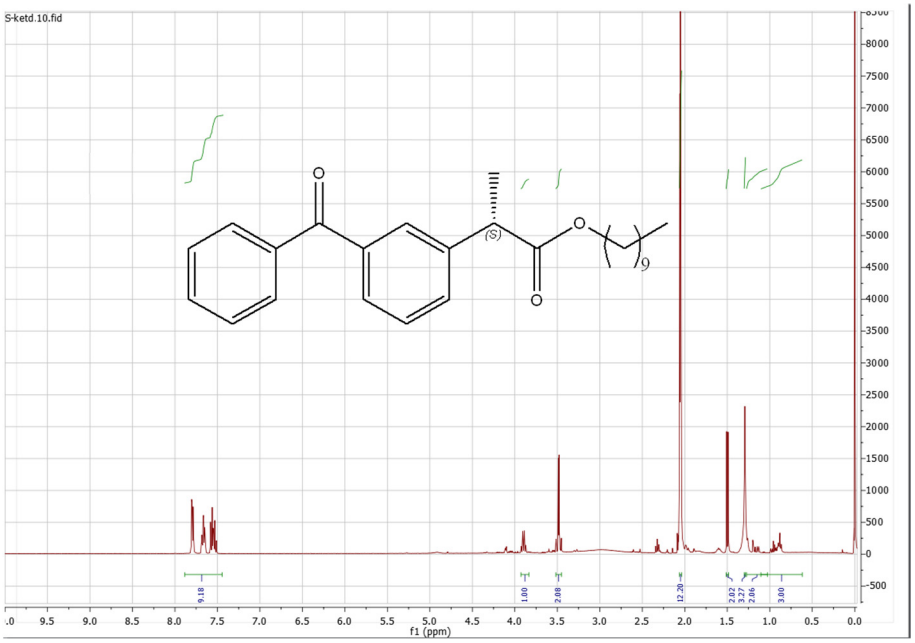

Figure S6. (*S*)-decyl ketoprofen ester ^{1}H NMR spectrum.

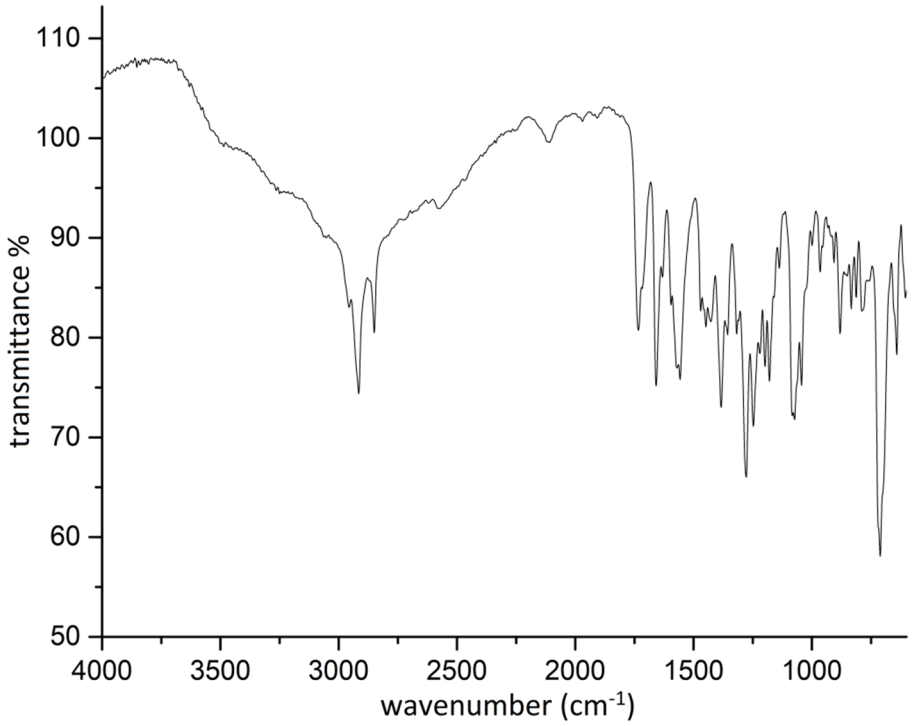

Figure S7. (*S*)-ketoprofen FTIR spectrum.

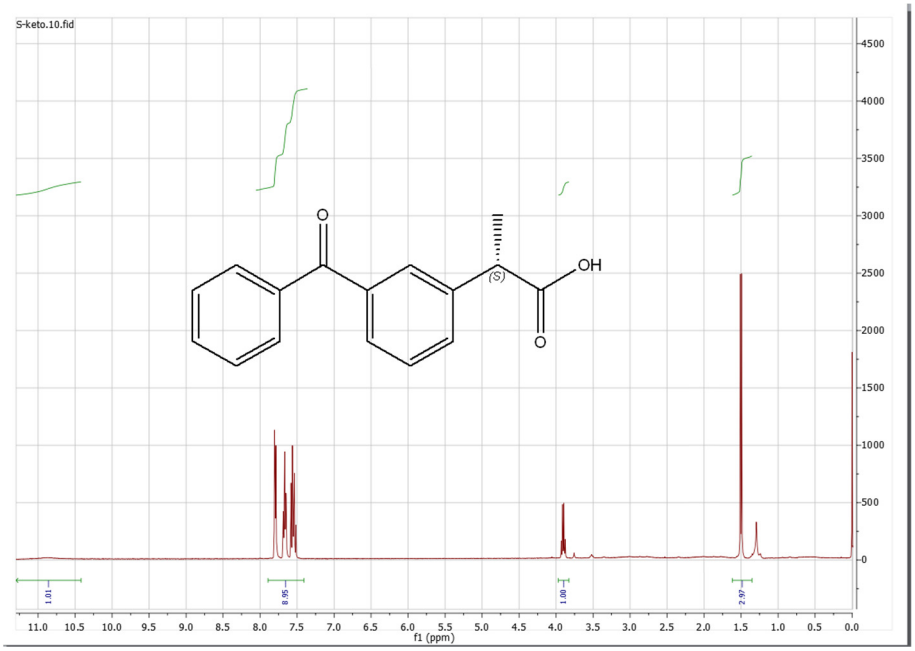

Figure S8. (*S*)-ketoprofen ^{1}H NMR spectrum.