

Supplementary Materials

Highly regioselective bioconversion of ginsenoside Re into 20(S/R)-Rf2 by an optimized culture of *Cordyceps Sinensis*

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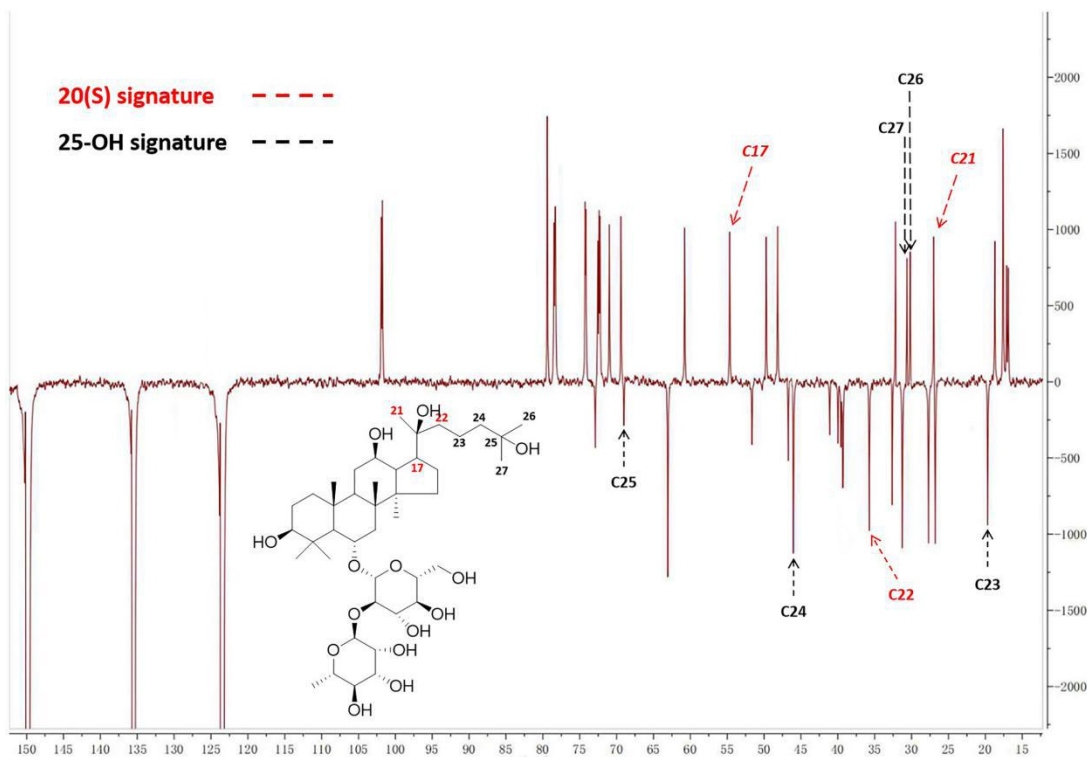
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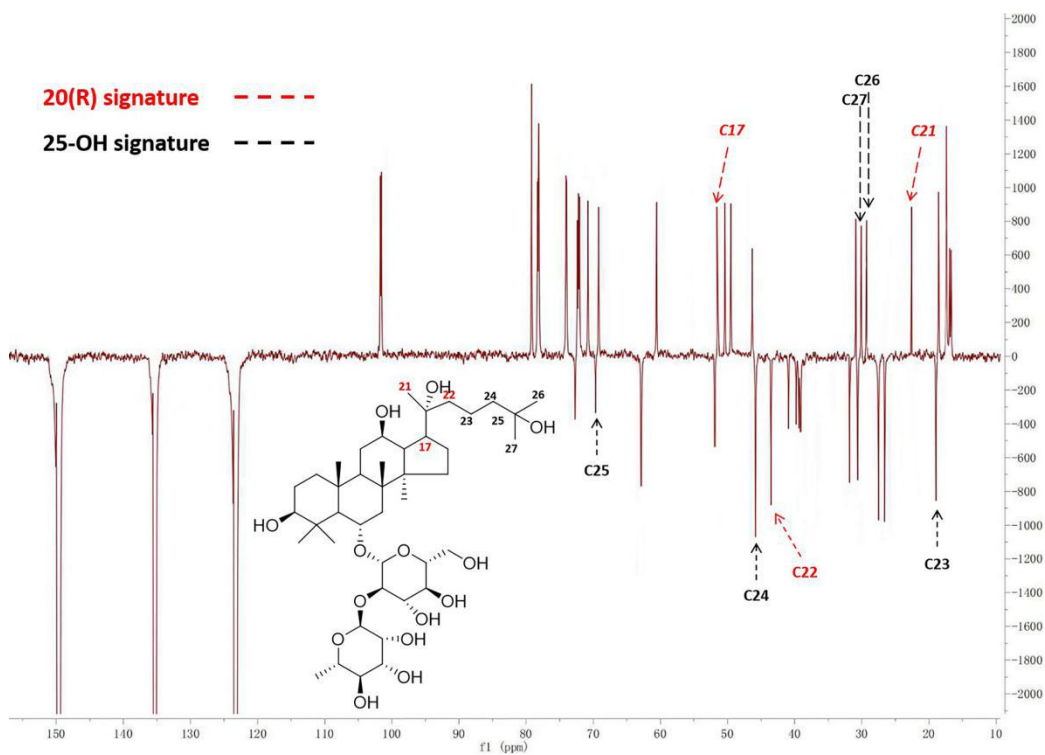
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1. Supplementary Figures



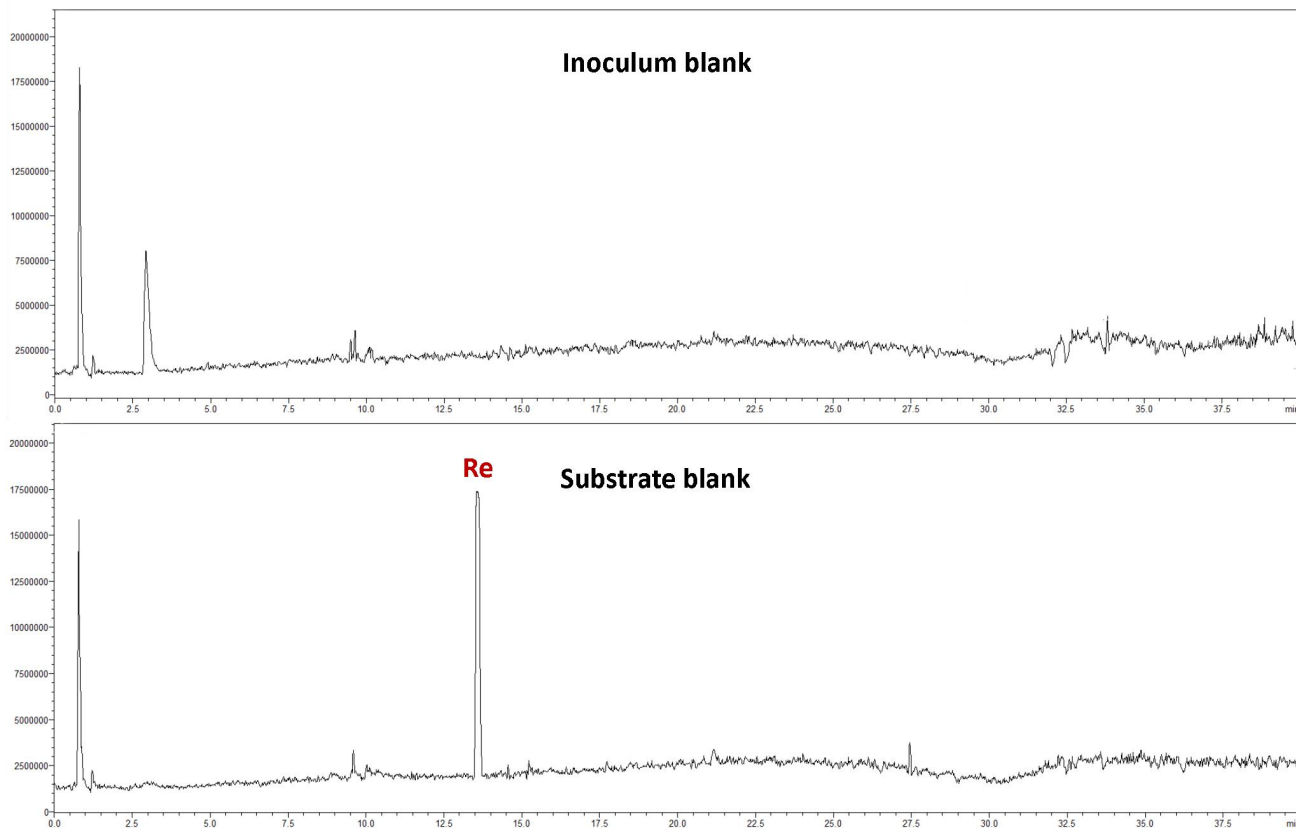
Supplementary Figure 1. ¹³C-NMR spectrum for peak 1

Bars pointed downward represent secondary and quaternary carbons



Supplementary Figure 2. ¹³C-NMR spectrum for peak 2

Bars pointed downward represent secondary and quaternary carbons



Supplementary Figure 3. Blank controls for the microbial transformation of ginsenoside Re

2. Supplementary Tables

Supplementary Table 1. Calibration curves for standard ginsenosides and authentic metabolites

Ginsenoside	Linear regression equations	R ²	Linearity range (µg/ml)
Re	$y = 5.8899x + 0.7175$	0.9991	7.5-480
20(S)-Rg2	$y = 10.959x + 0.8903$	0.9989	7.5-480
20(R)-Rg2	$y = 10.71x + 0.883$	0.999	7.5-480
20(S)-Rf2	$y = 10.464x + 0.6447$	0.9947	7.5-480
20(R)-Rf2	$y = 9.6218x + 0.6905$	0.9966	7.5-480