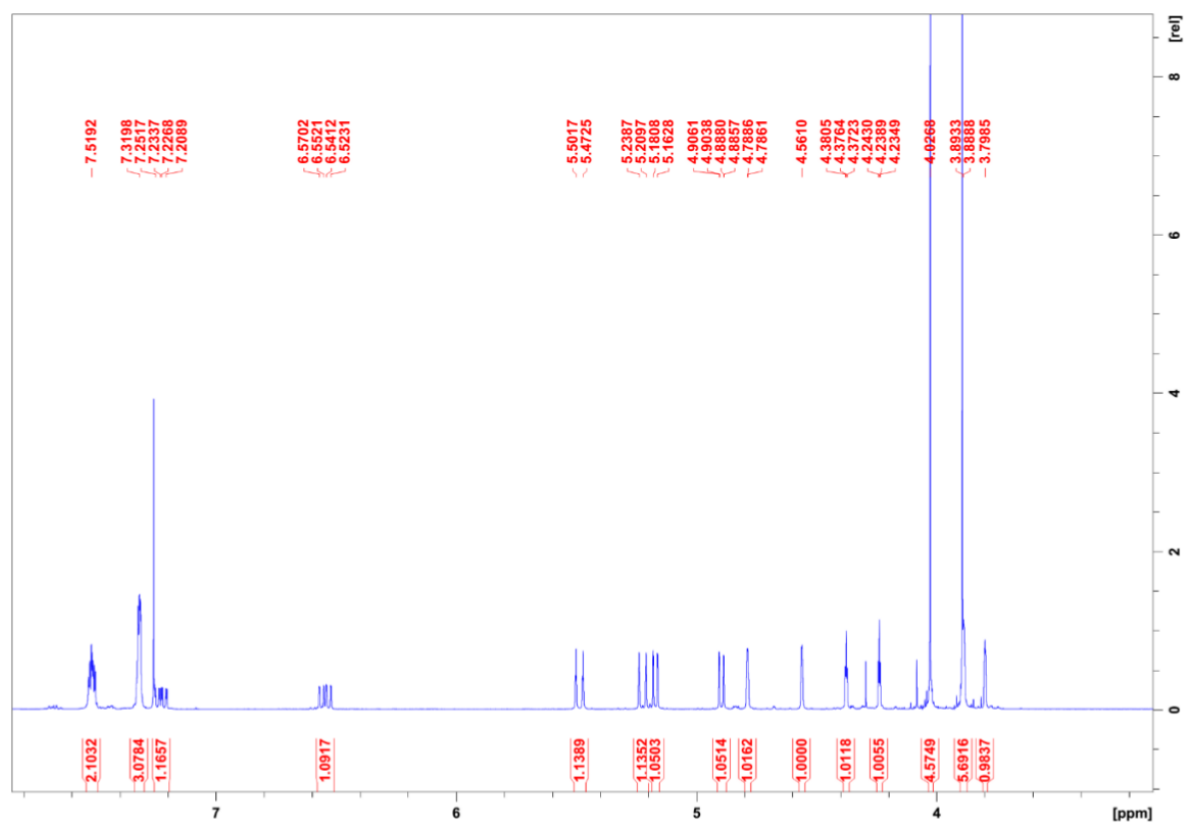
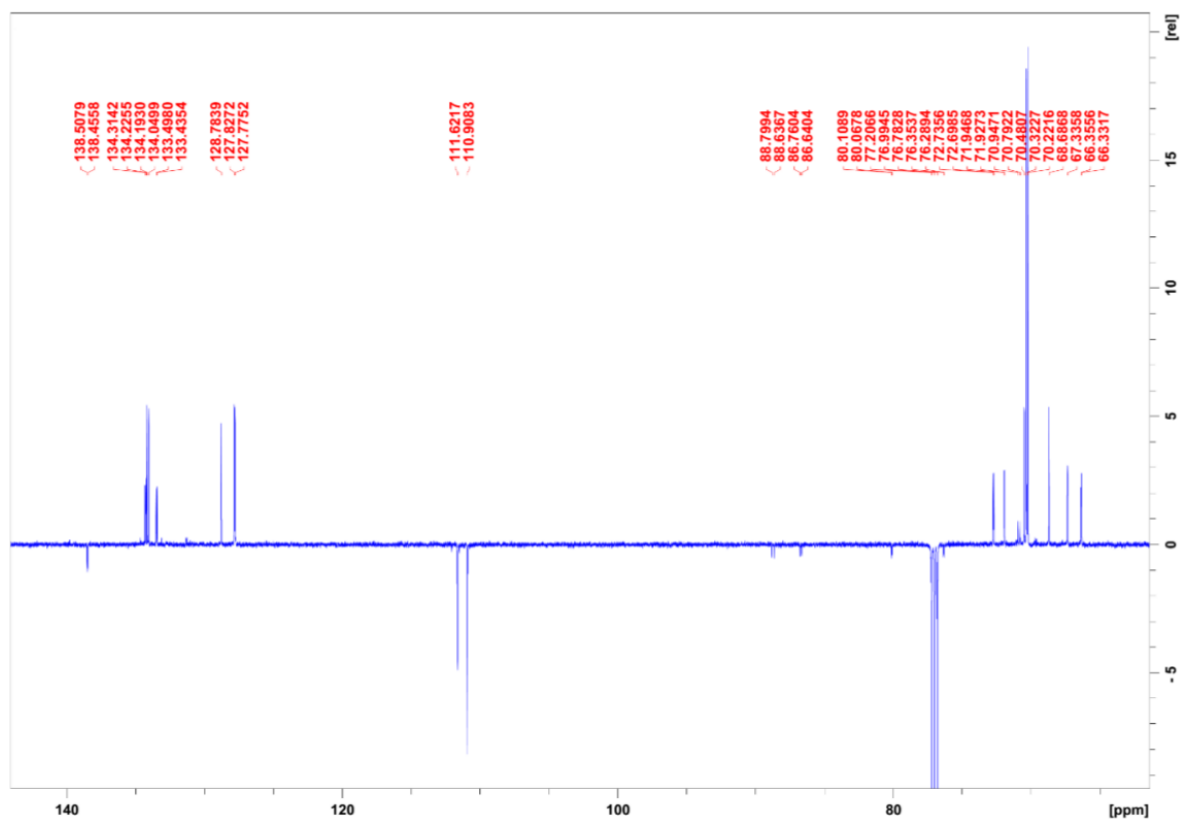


Supplementary Information

(2*S*,4*R*,8*S*)-4-Methyl-1-phenyl-diferroceno-5-*Z*-ethylene-1-phosphin oxide

Philipp Honegger and Michael Widhalm

1. Divinyl phosphine 2

Figure S1: ¹H-NMR spectrumFigure S2: ¹³C-NMR spectrum

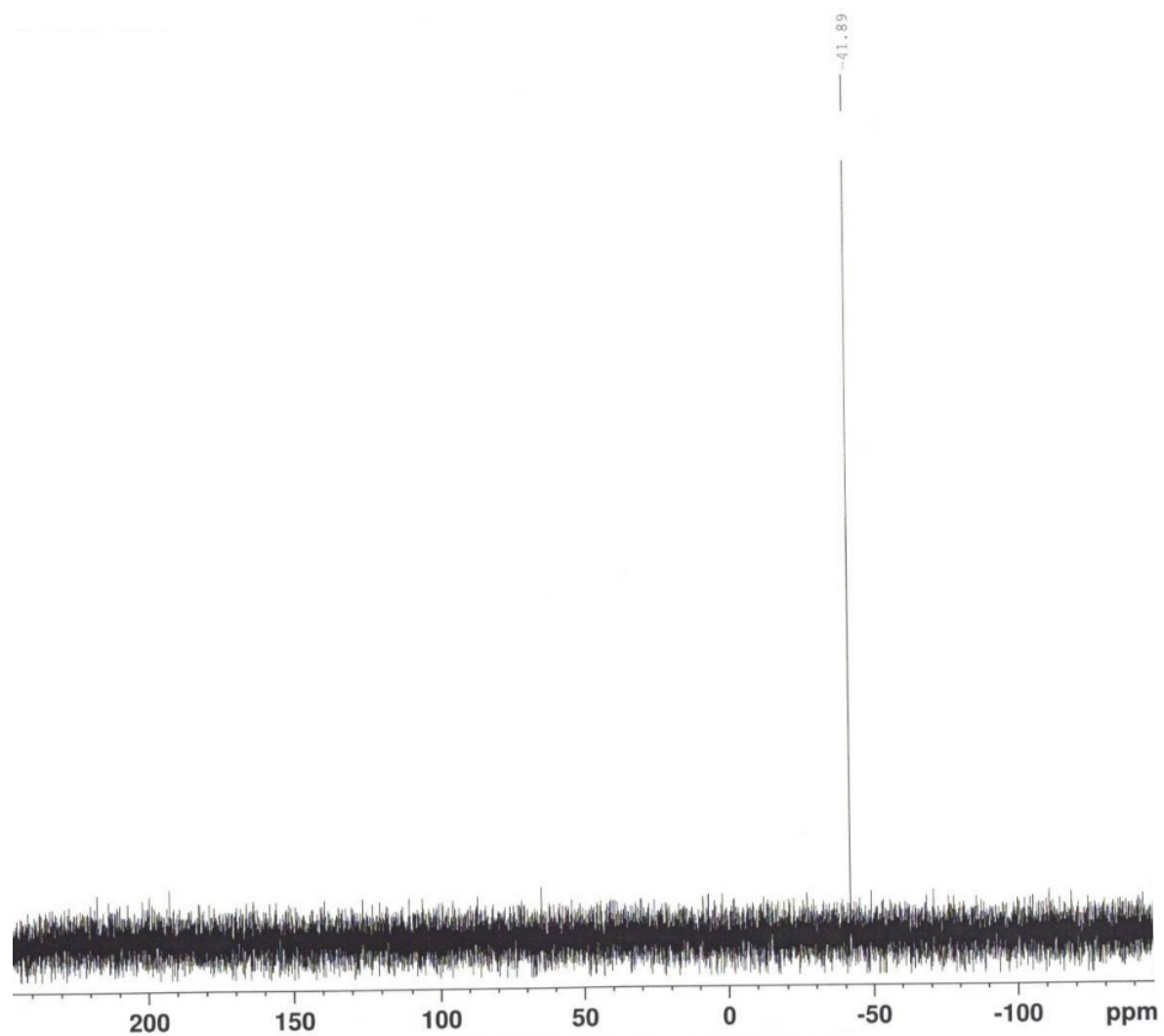


Figure S3: ^{31}P spectrum

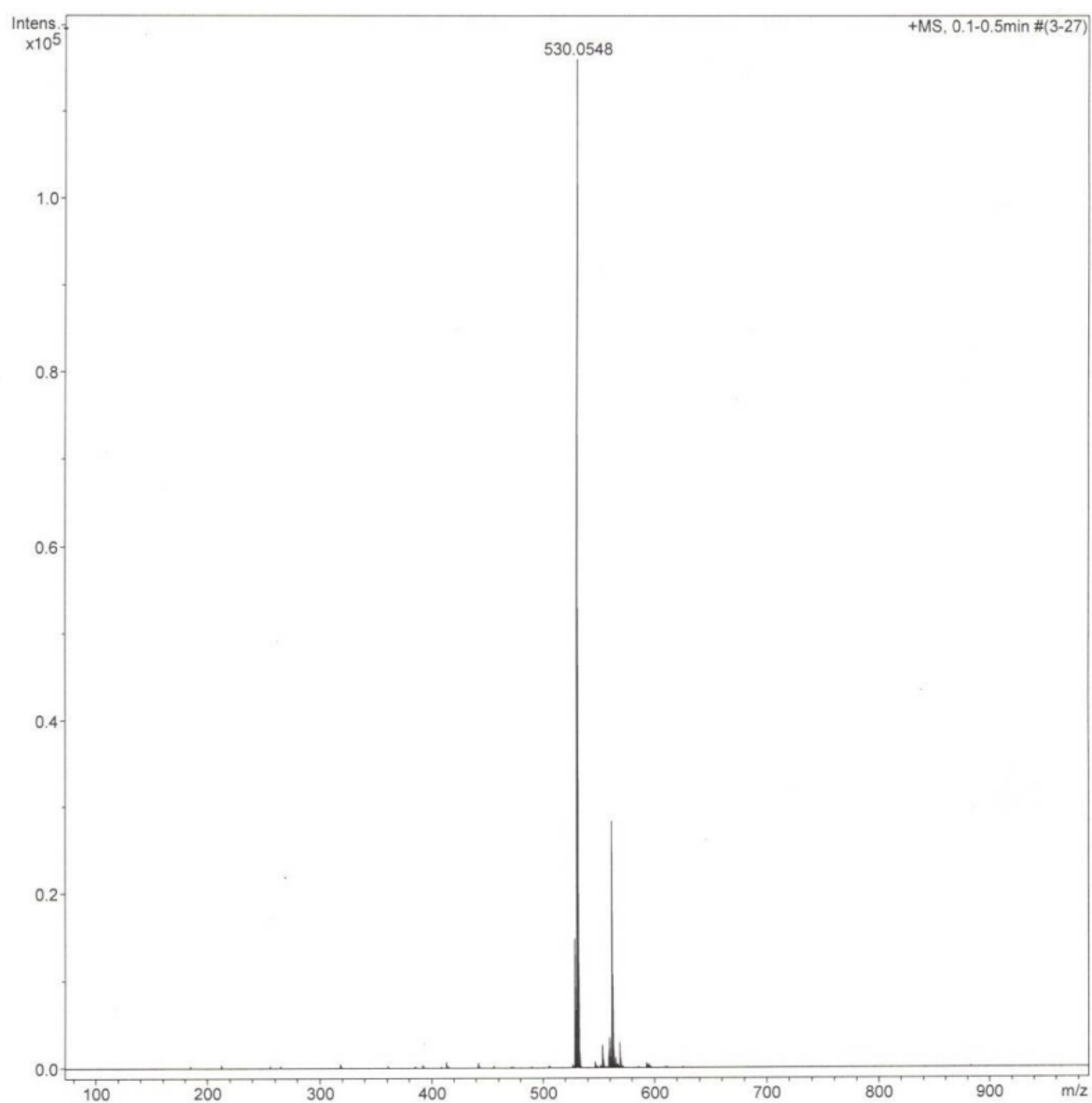
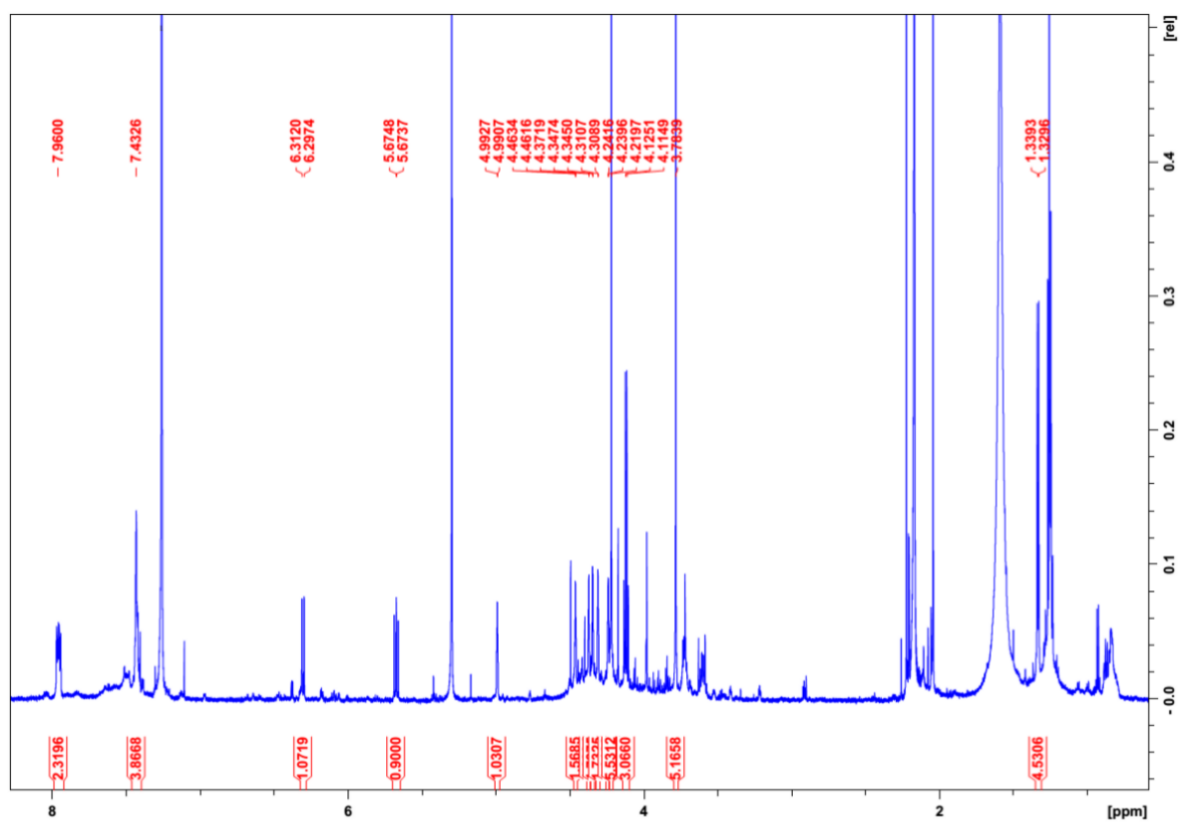
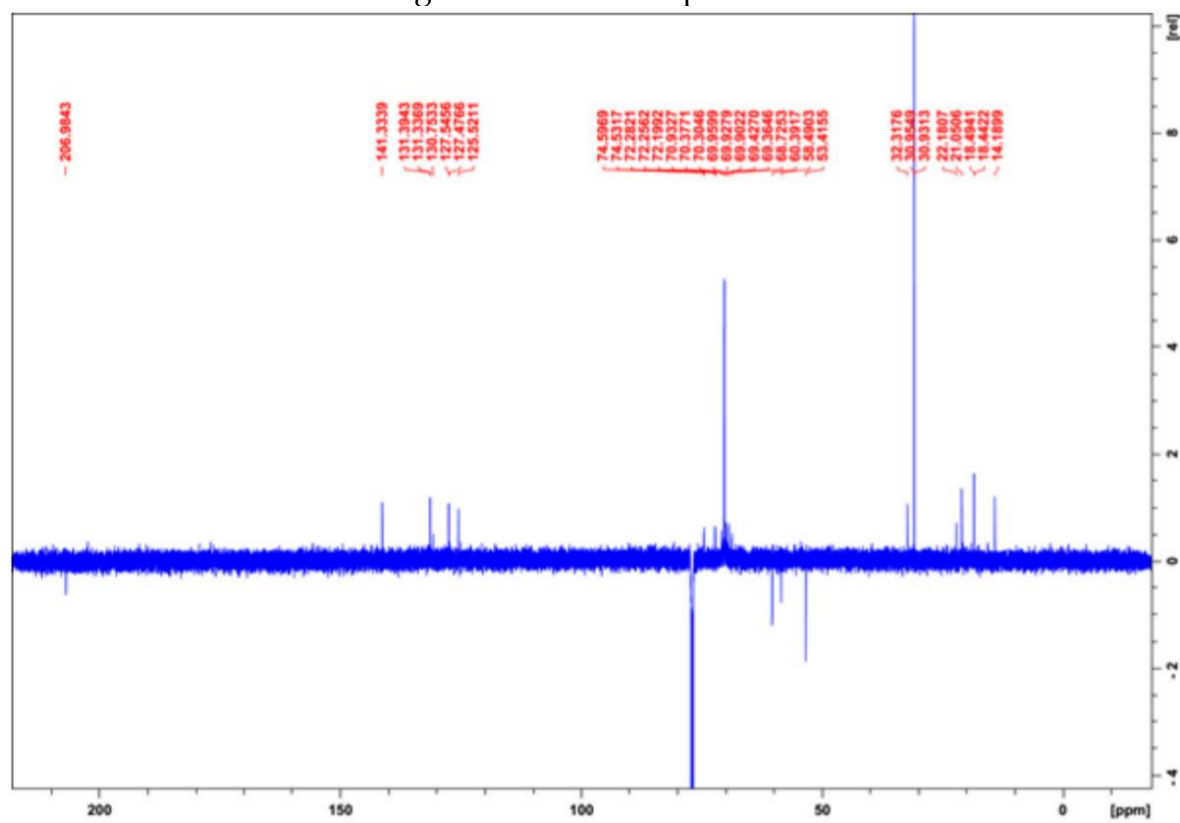


Figure S4: HRMS spectrum

2. Cycle 3

Figure S5: ¹H-NMR spectrumFigure S6: ¹³C-NMR

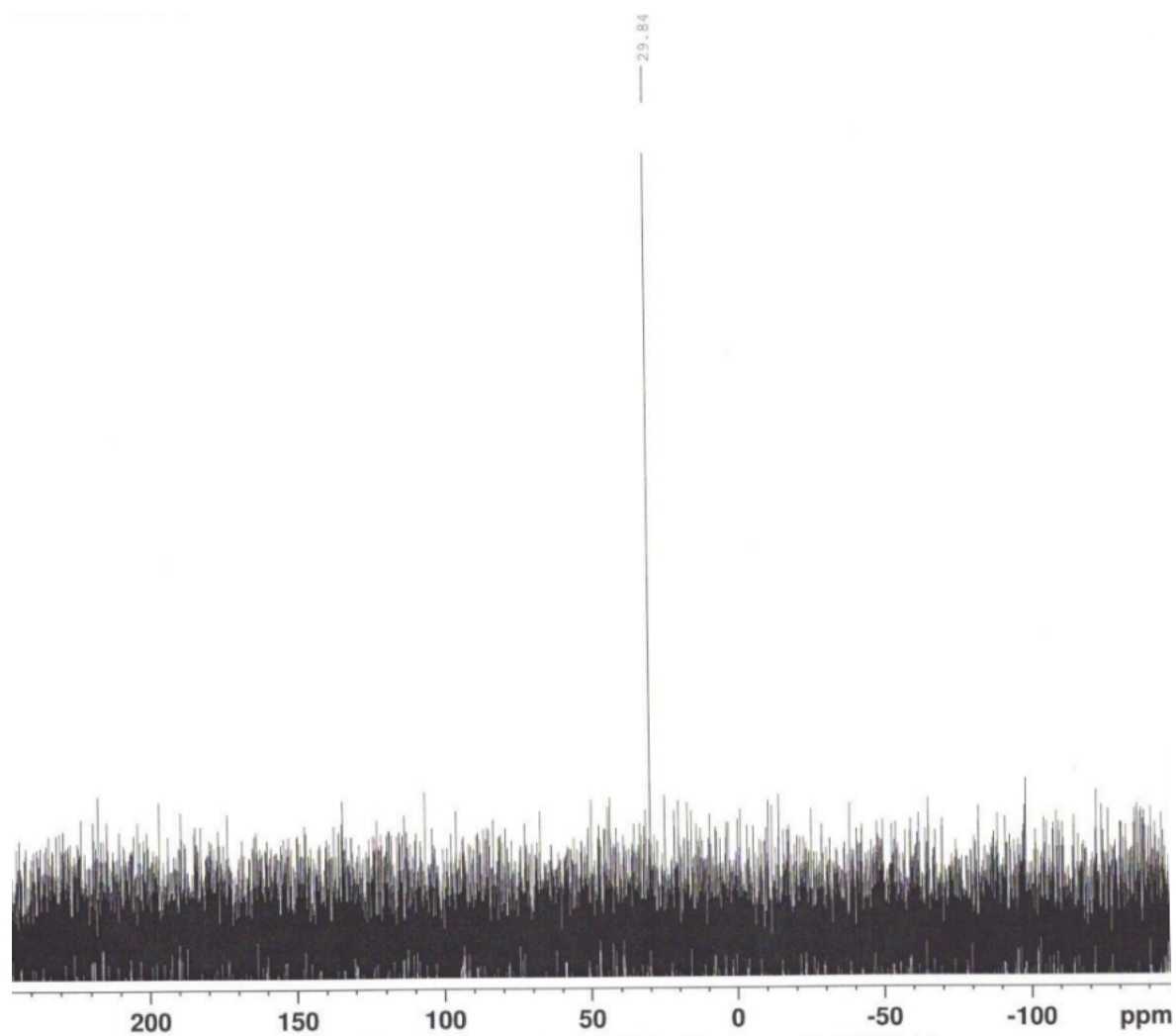


Figure S7: ^{31}P -NMR spectrum

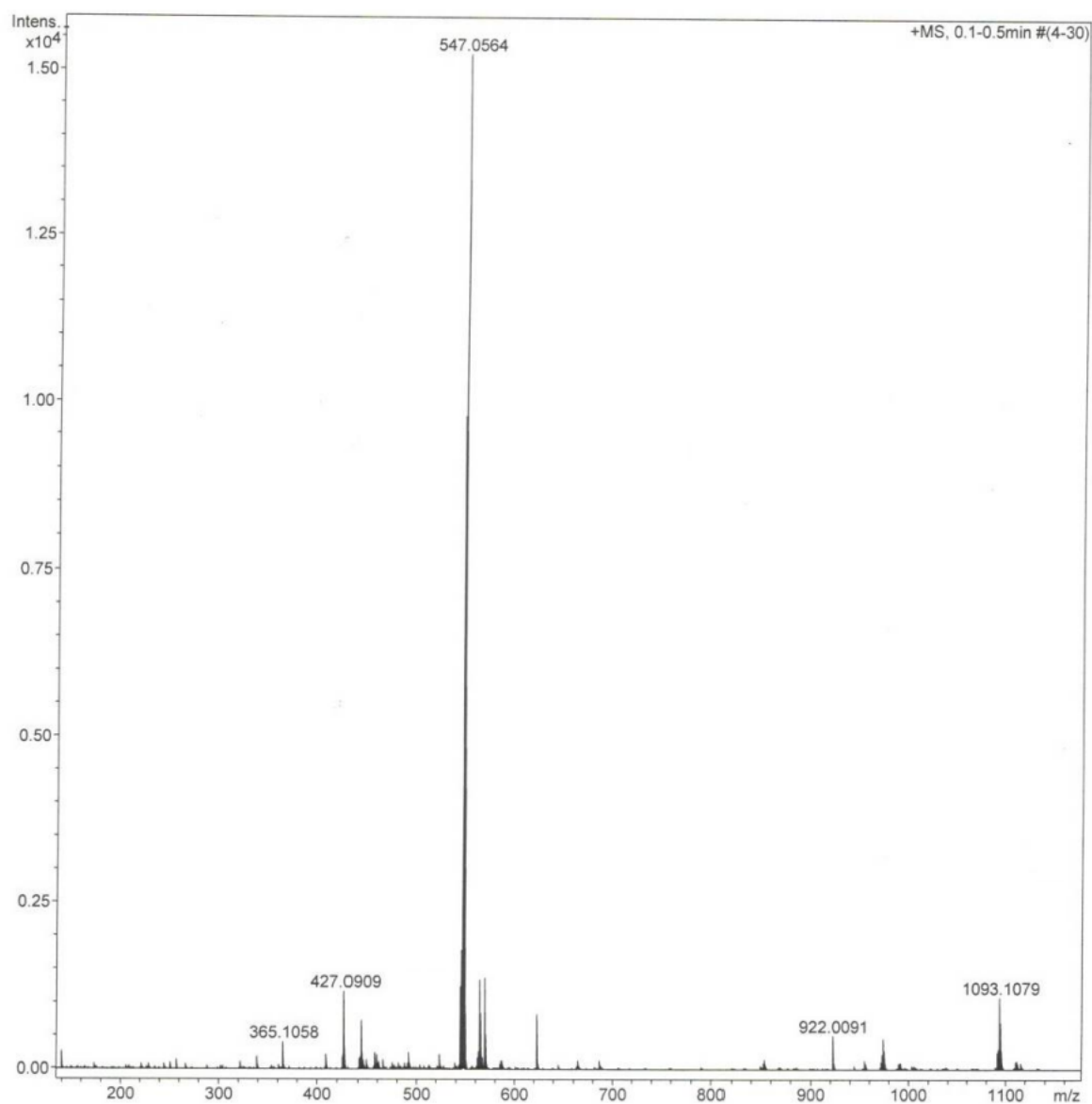
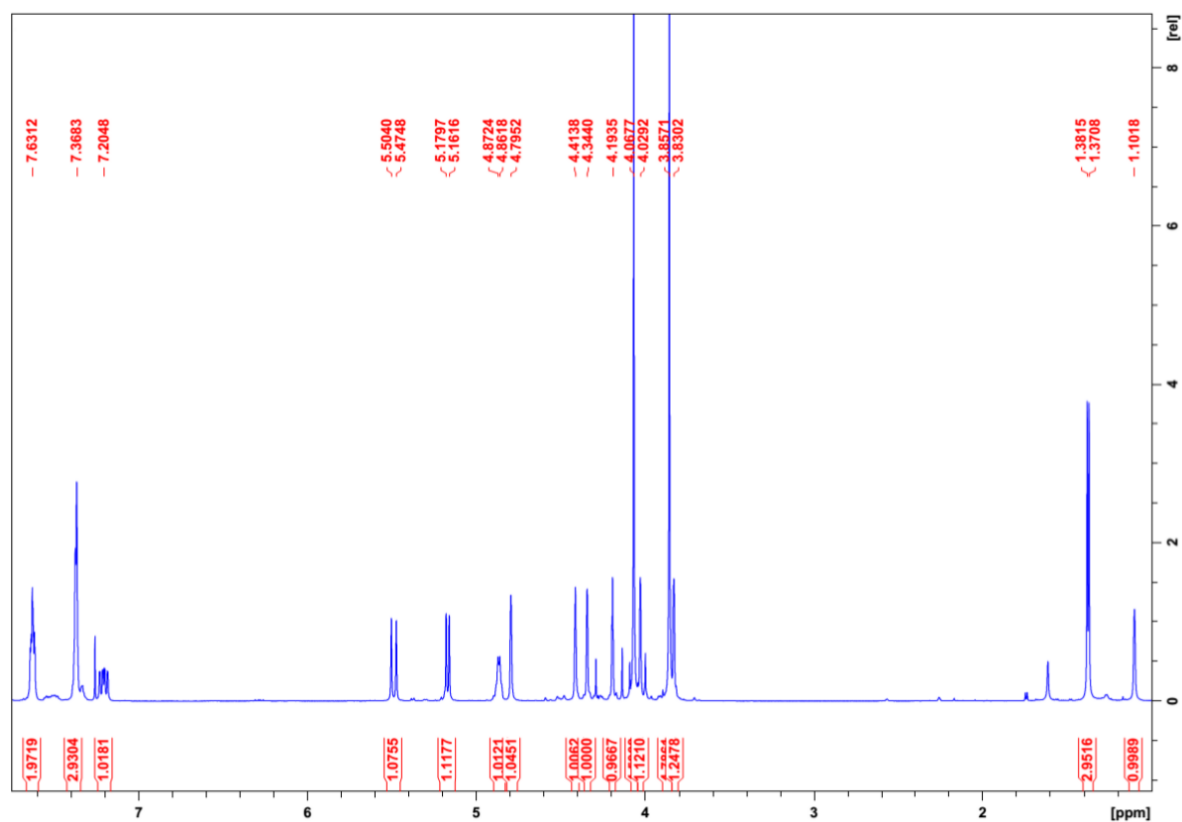
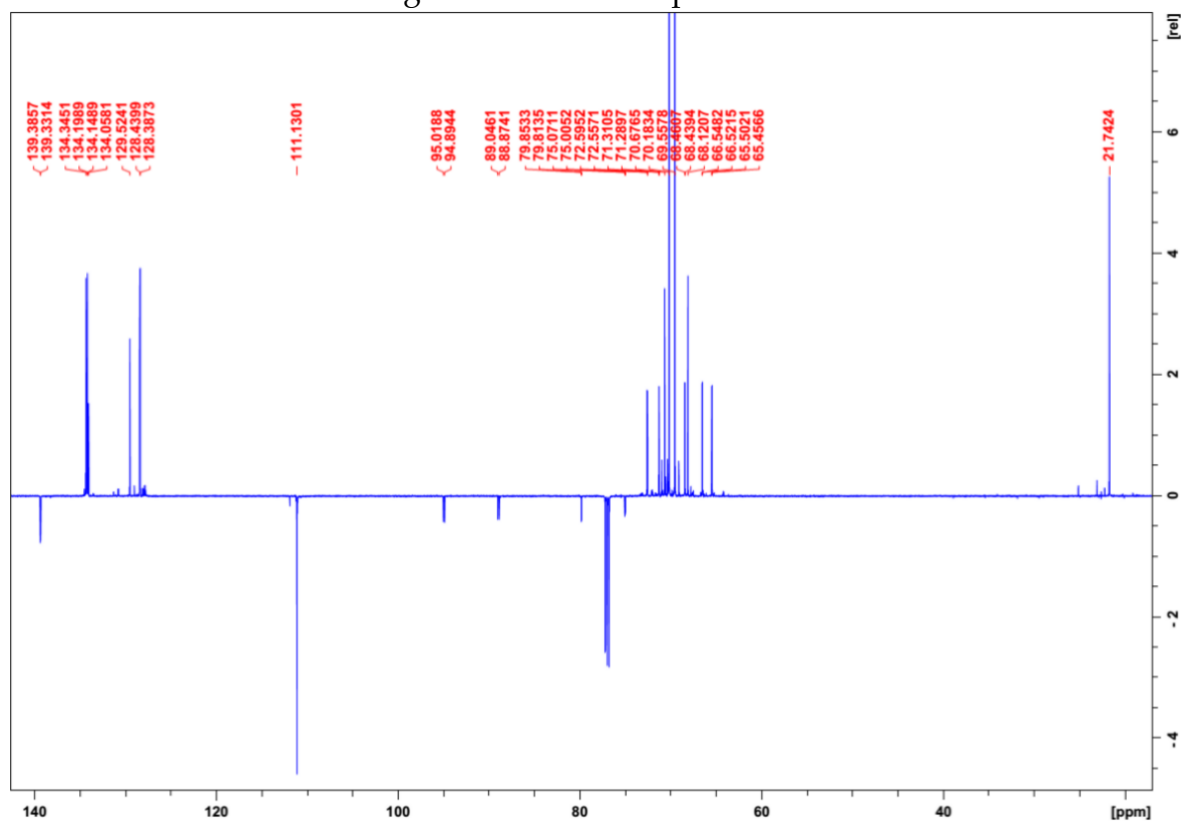
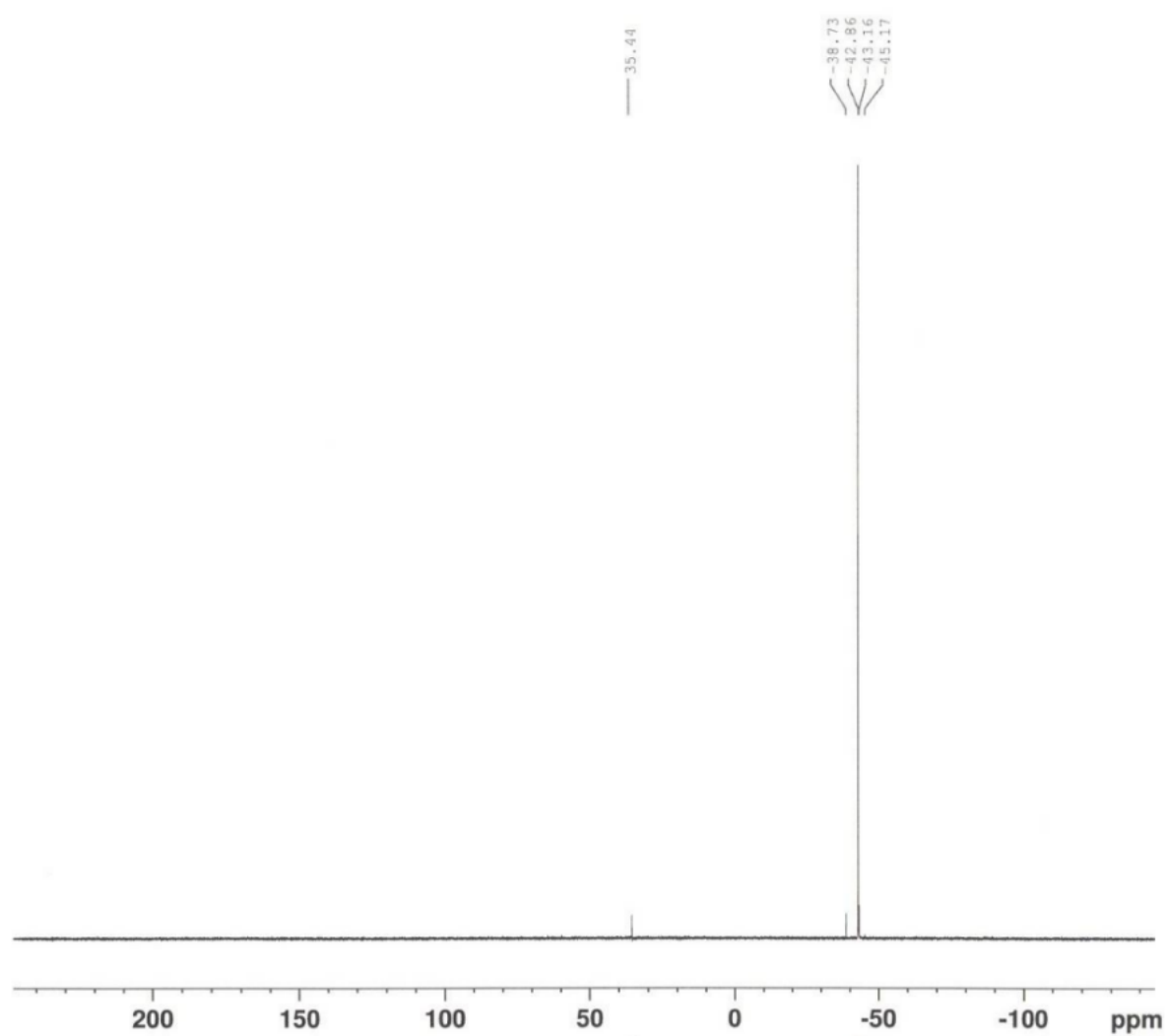


Figure S8: HRMS spectrum

3. Carbinol side product 4

Figure S9: ^1H -NMR spectrumFigure S10: ^{13}C -NMR spectrum

Figure S11: ^{31}P -NMR spectrum

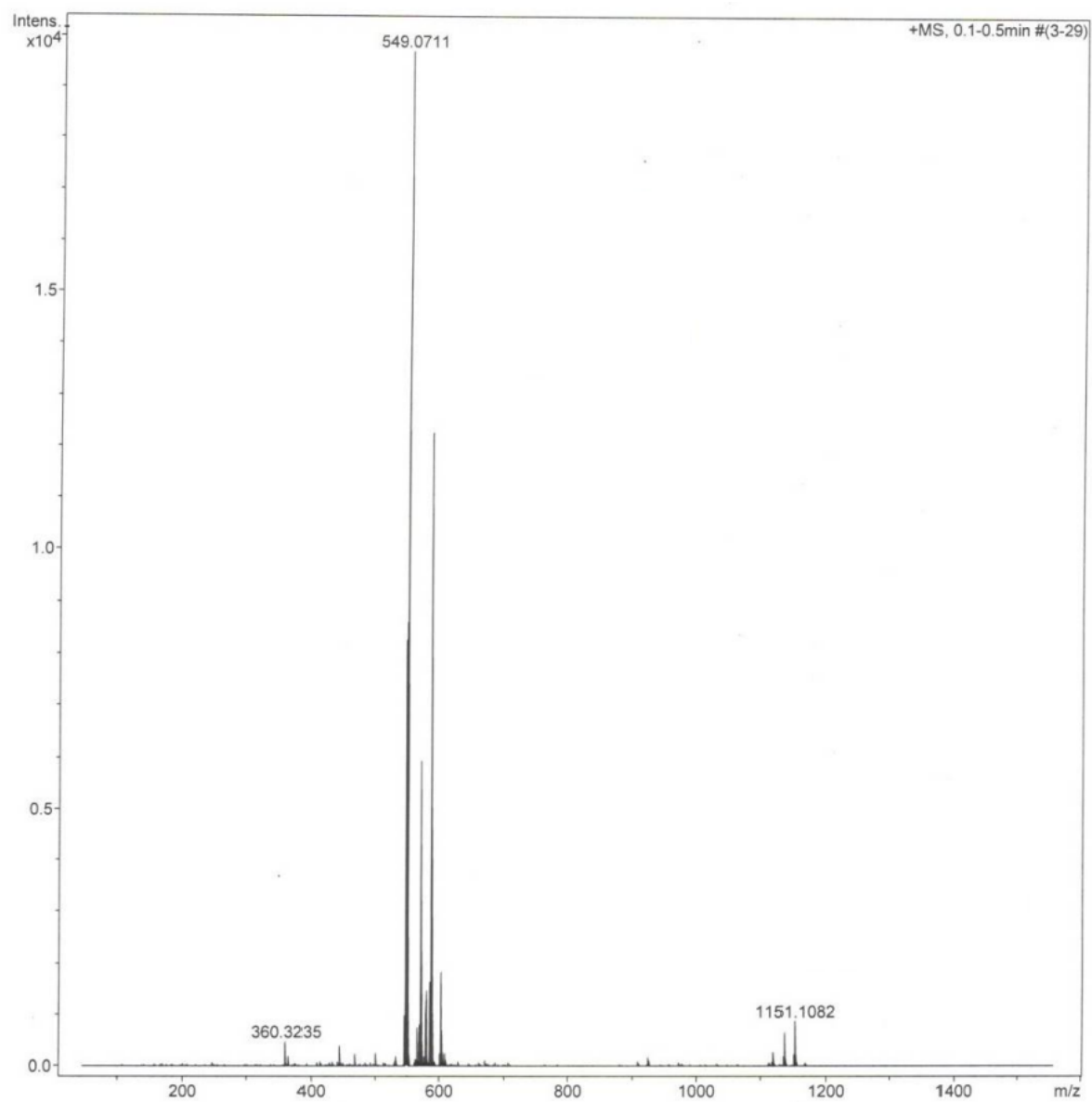


Figure S12: HRMS spectrum

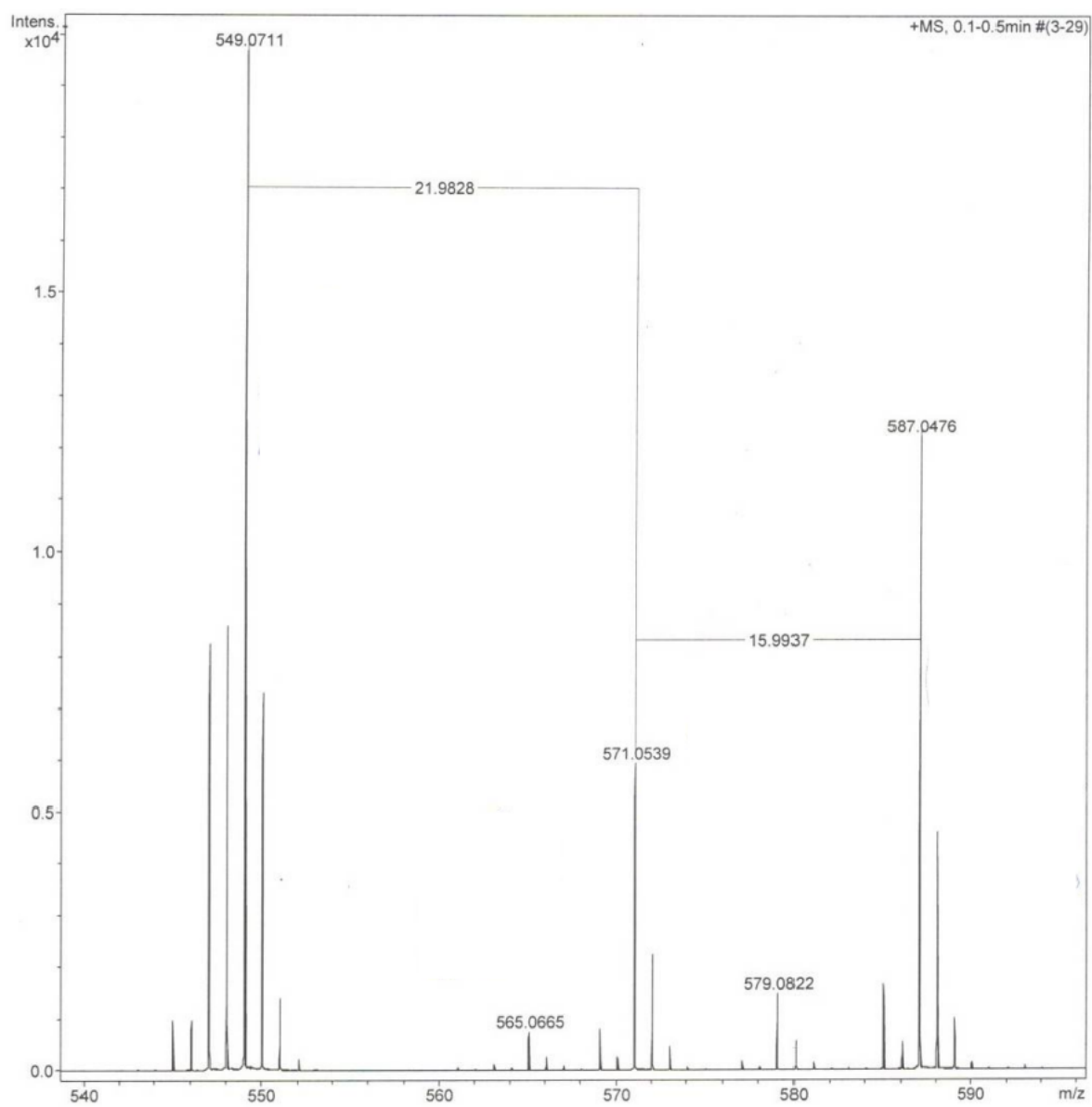
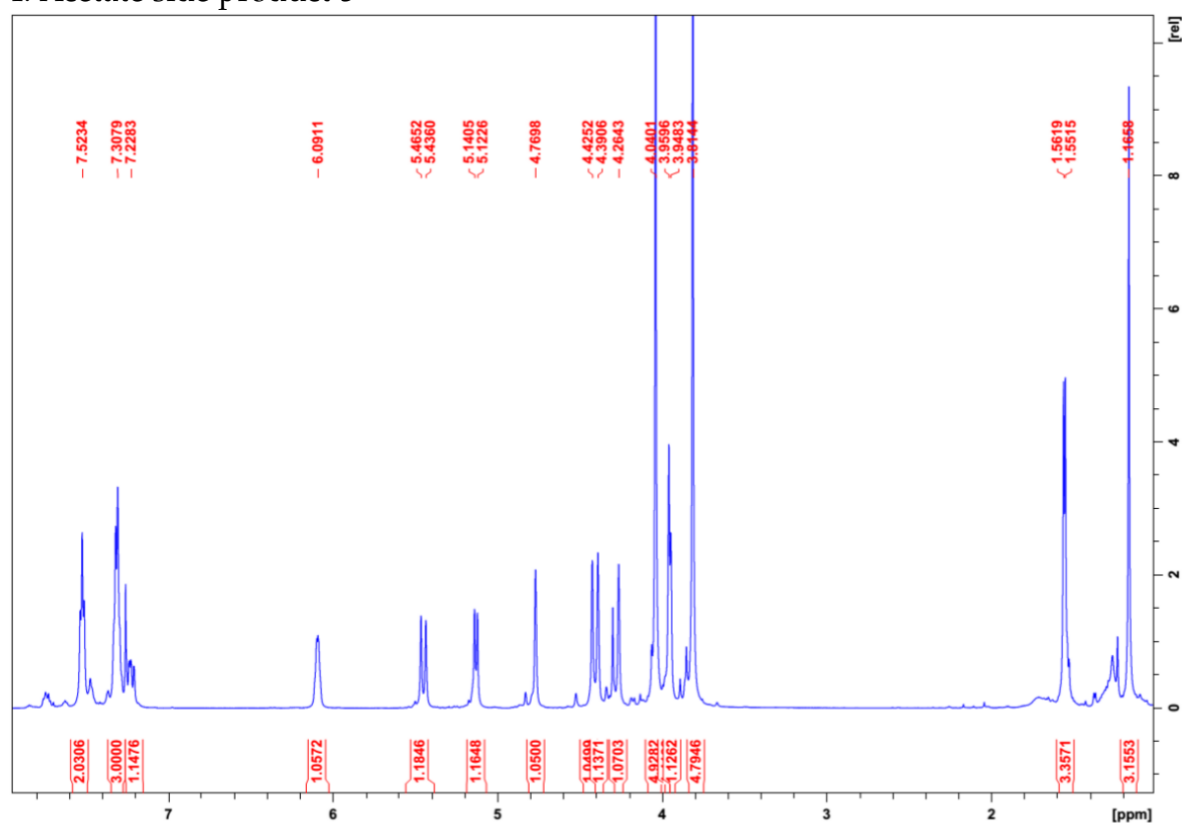
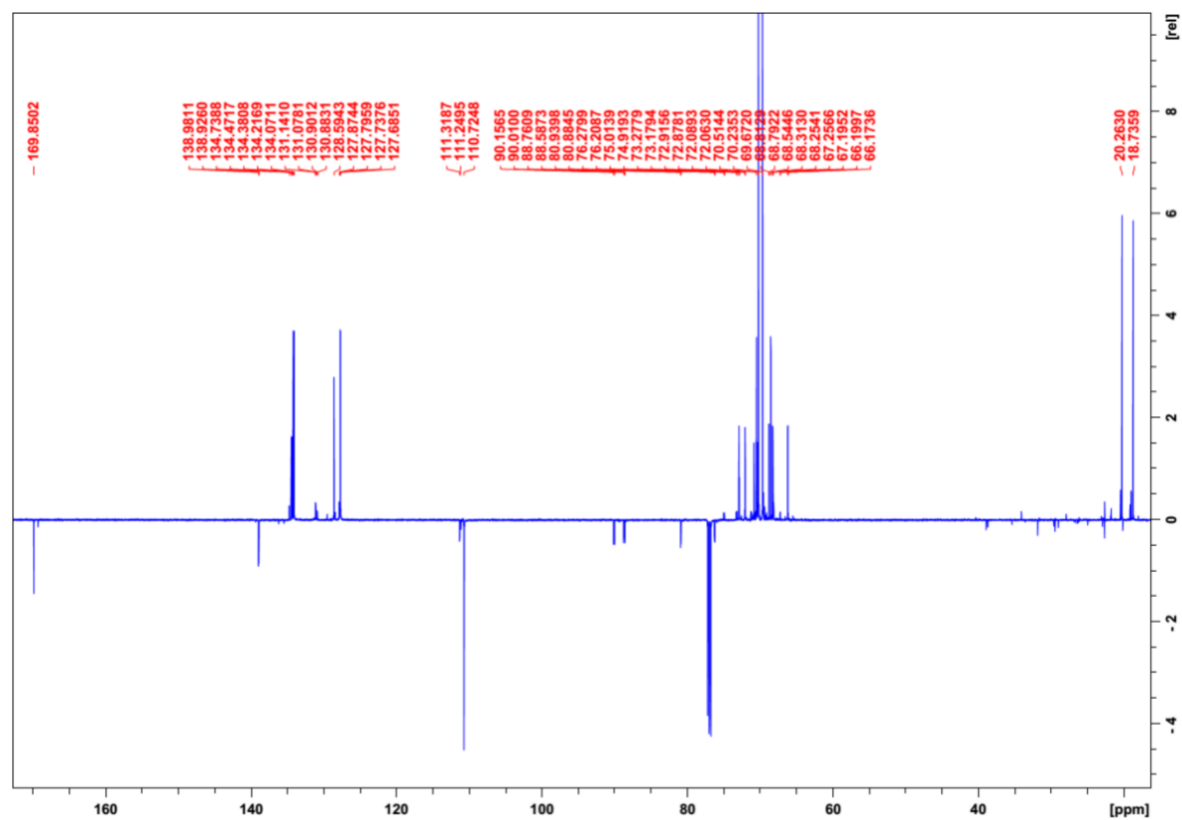
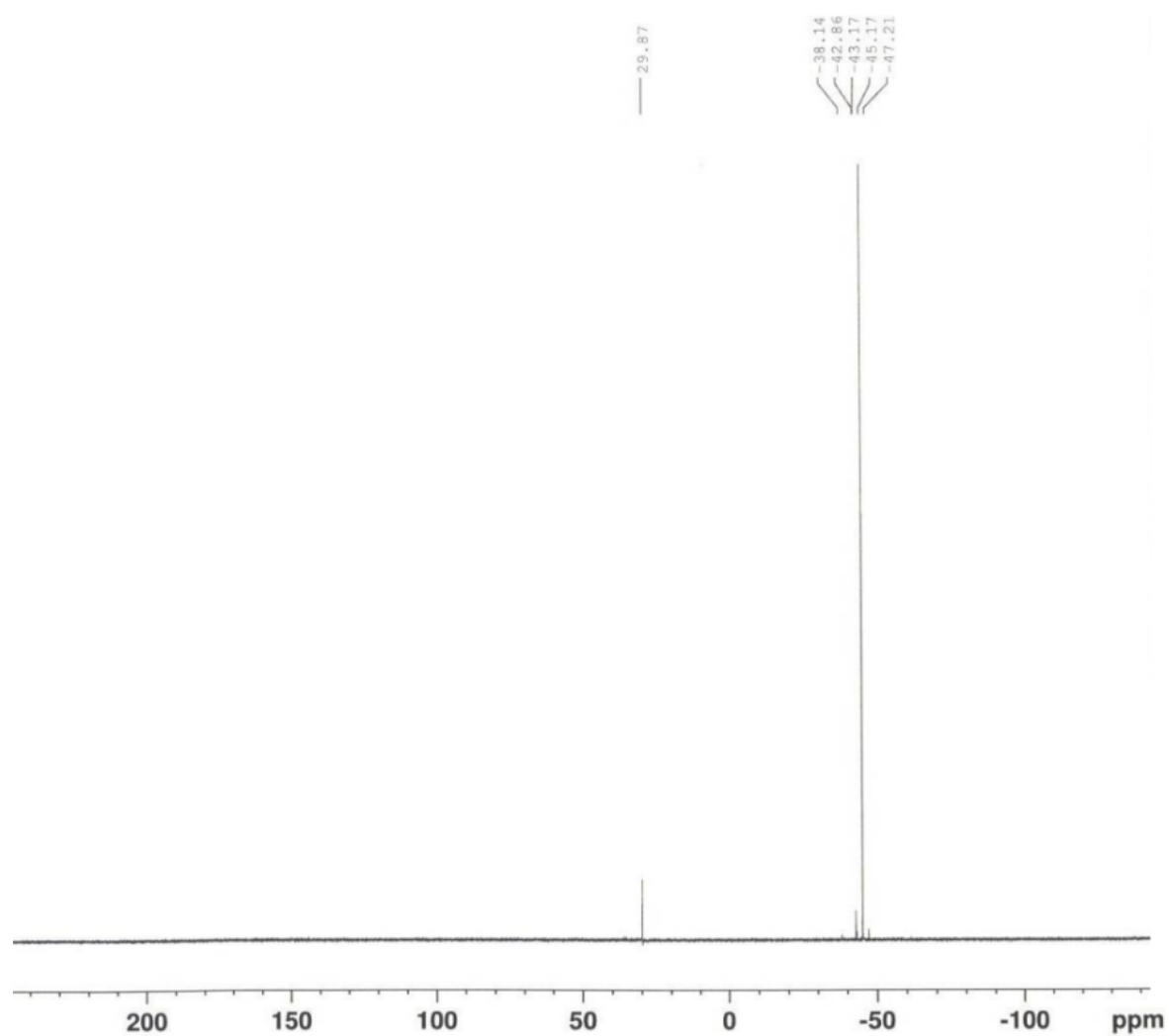


Figure S13: HRMS spectrum, detailed

4. Acetate side product 5

Figure S14: ¹H-NMR spectrumFigure S15: ¹³C-NMR spectrum

Figure S16: ^{31}P -NMR spectrum

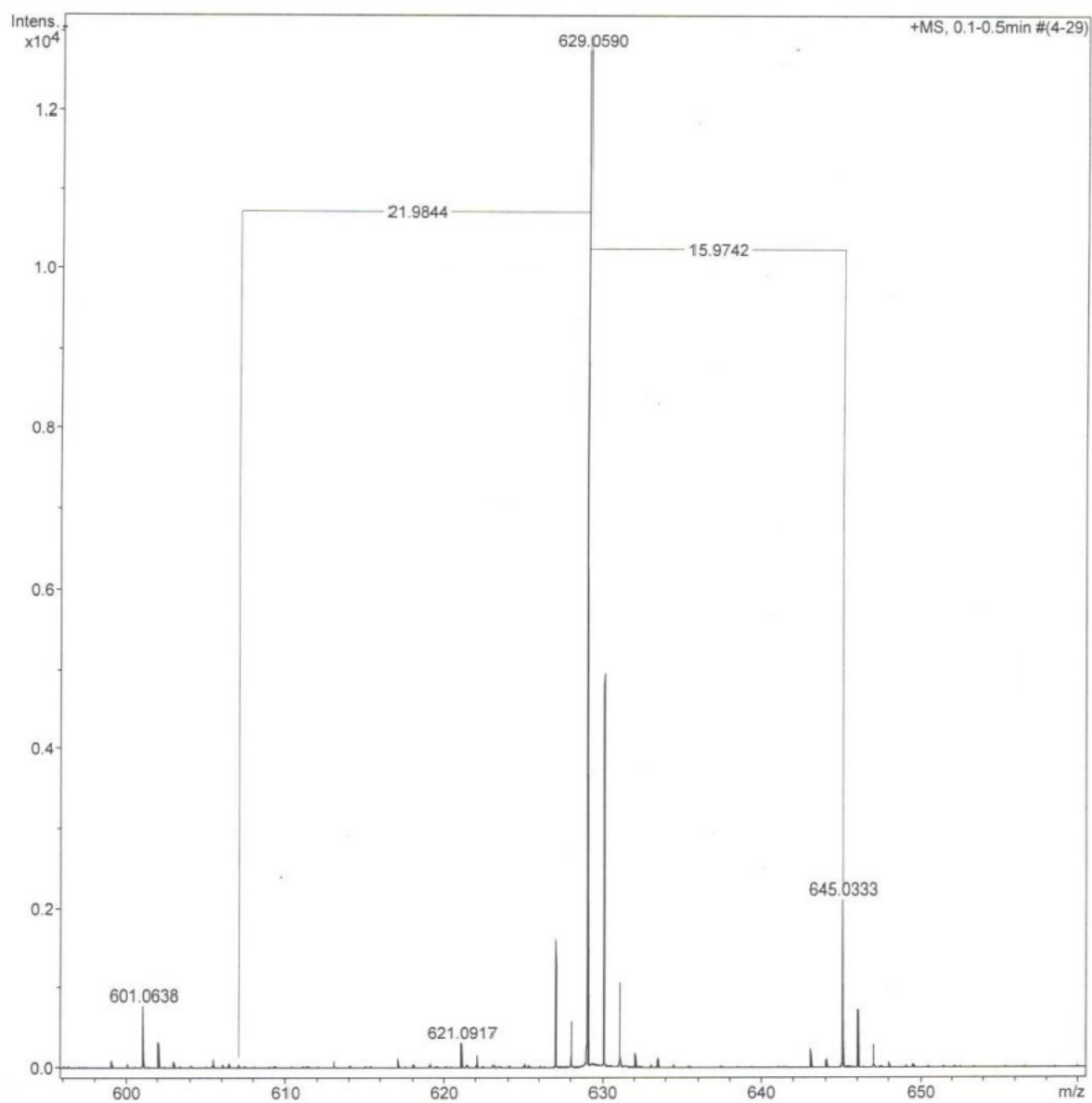


Figure S17: HRMS spectrum