

Supporting Information

for

Breakdown of 3-(allylsulfonio)propanoates in bacteria from the *Roseobacter* group yields garlic oil constituents

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Additional total ion chromatograms and copies of NMR spectra

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Figure S1: Total ion chromatograms of CLSA extracts obtained from feeding experiments with DAIISP fed to *P. inhibens* (two repetitions of experiment shown in Figure 2A of main text).



Figure S2: Total ion chromatograms of CLSA extracts obtained from feeding experiments with DAIISP fed to *D. shibae* (two repetitions of experiment shown in Figure 2B of main text).



Figure S3: Total ion chromatograms of CLSA extracts obtained from feeding experiments with DAIISP fed to *O. indolifex* (two repetitions of experiment shown in Figure 2C of main text).



Figure S4: Total ion chromatograms of CLSA extracts obtained from feeding experiments with AlIMSP fed to *P. inhibens* (two repetitions of experiment shown in Figure 4A of main text).



Figure S5: Total ion chromatograms of CLSA extracts obtained from feeding experiments with AIIMSP fed to *D. shibae* (two repetitions of experiment shown in Figure 4B of main text).



Figure S6: Total ion chromatograms of CLSA extracts obtained from feeding experiments with AlIMSP fed to *O. indolifex* (two repetitions of experiment shown in Figure 4C of main text).



Figure S7: ¹H NMR spectrum (D₂O, 700 MHz) of DAIISP.



Figure S8: ¹³C NMR spectrum (D₂O, 175 MHz) of DAIISP.



Figure S9: ¹³C-DEPT spectrum (D₂O, 175 MHz) of DAIISP.



Figure S10: ¹H NMR spectrum (D₂O, 700 MHz) of AlIMSP.



Figure S11: ¹³C NMR spectrum (D₂O, 175 MHz) of AllMSP.



Figure S12: ¹³C-DEPT spectrum (D₂O, 175 MHz) of AlIMSP.



Figure S13: ¹H NMR spectrum (CDCl₃, 500 MHz) of 26.



Figure S14: ¹³C NMR spectrum (CDCl₃, 125 MHz) of 26.



Figure S15: ¹³C-DEPT spectrum (CDCl₃, 125 MHz) of 26.



Figure S16: ¹H NMR spectrum (CDCl₃, 500 MHz) of 40.



Figure S17: ¹³C NMR spectrum (CDCl₃, 125 MHz) of 40.



Figure S18: ¹³C-DEPT spectrum (CDCl₃, 125 MHz) of 40.



Figure S19: ¹H NMR spectrum (d_6 -DMSO, 500 MHz) of **27**.



Figure S20: ¹³C NMR spectrum (*d*₆-DMSO, 125 MHz) of **27**.



Figure S21: ¹³C-DEPT spectrum (*d*₆-DMSO, 125 MHz) of **27**.