

Supplementary Materials

An Unprecedented Medium-Chain Diunsaturated *N*-acylhomoserine Lactone from Marine *Roseobacter* Group Bacteria

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NMR and Mass Spectra

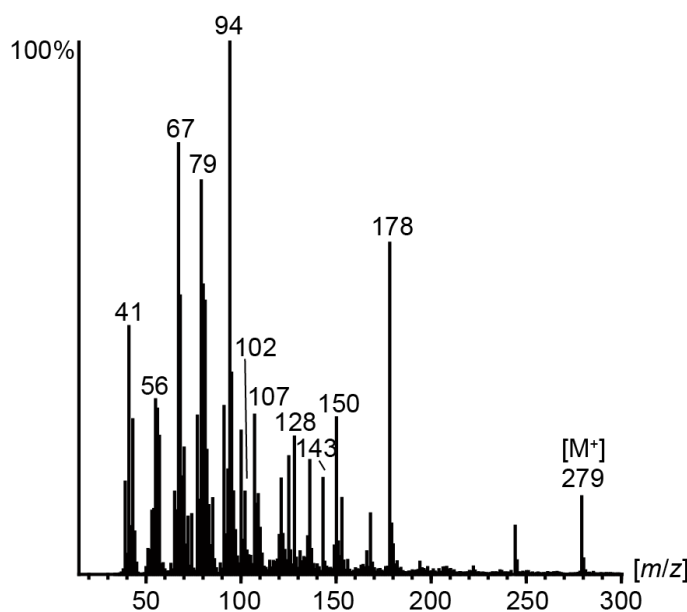


Figure S1. Mass spectrum of natural compound B.

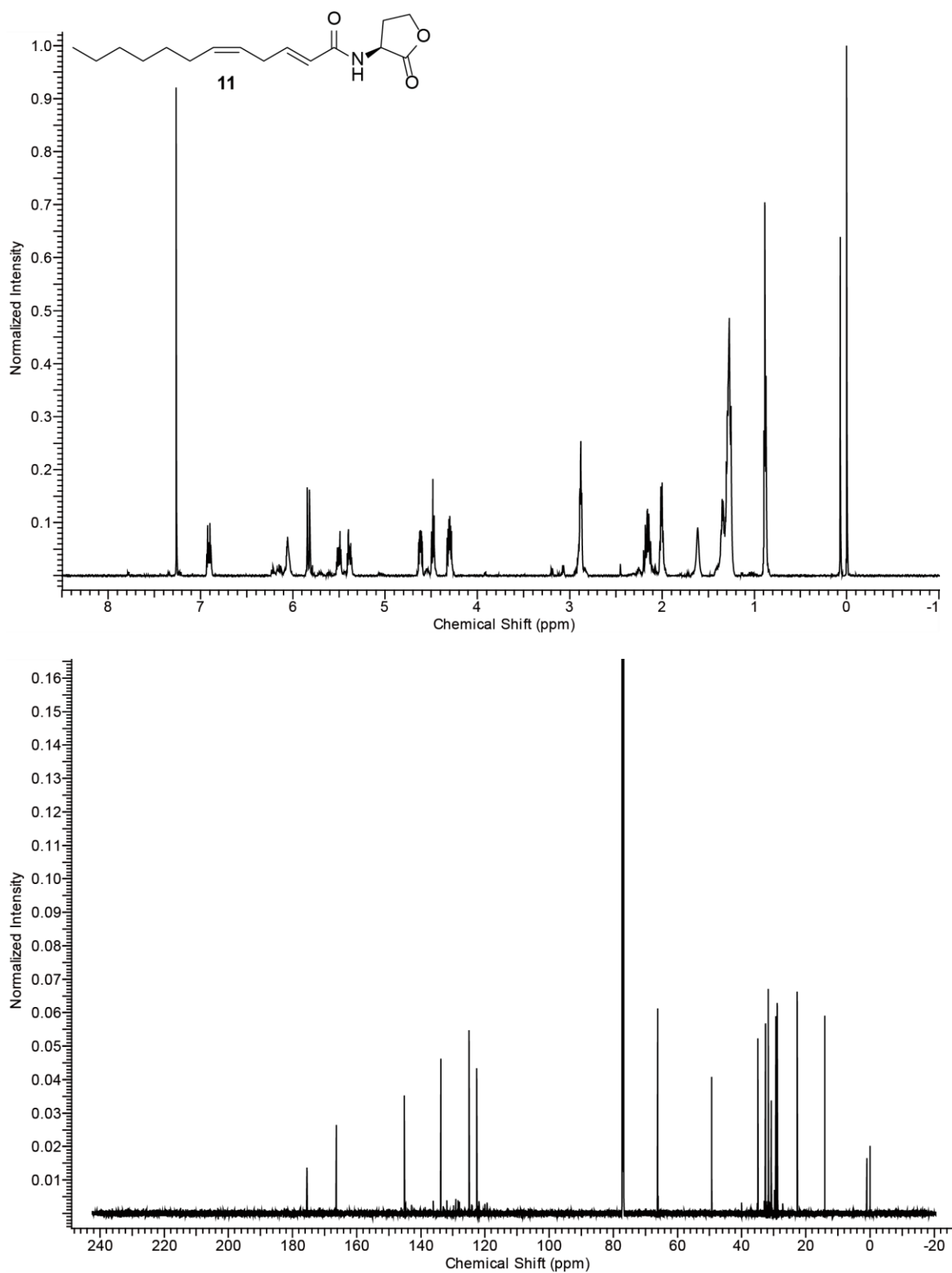


Figure S2. ¹H-NMR and ¹³C-NMR spectrum of *N*-((2*E*,5*Z*)-2,5-dodecadienyl)homoserine lactone (2*E*,5*Z*-C12:2-HSL, **11**).

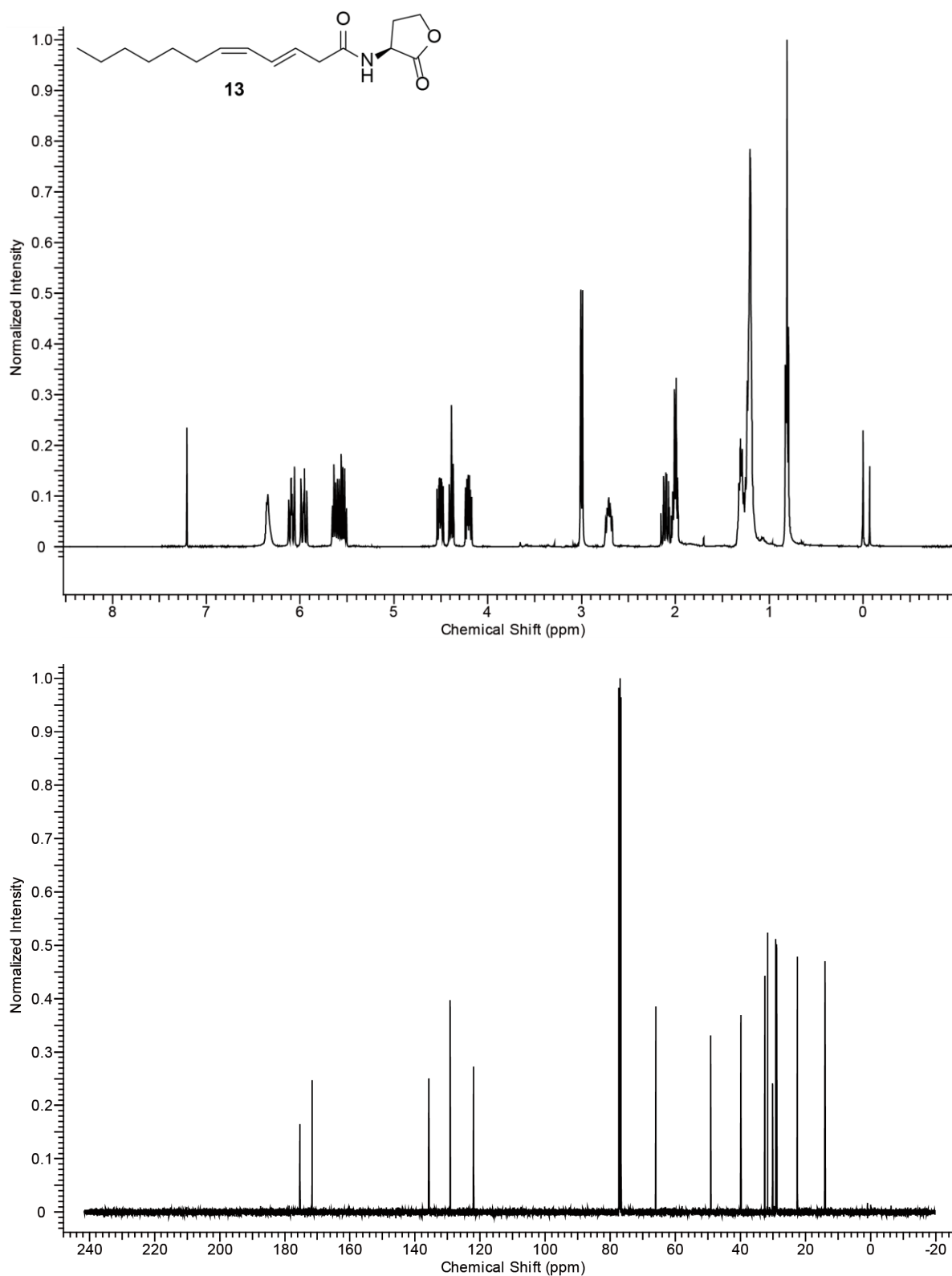


Figure S3. ¹H-NMR and ¹³C-NMR spectrum of *N*-((3*E*,5*Z*)-3,5-dodecadienyl)homoserine lactone (3*E*,5*Z*-C12:2-HSL, **13**).

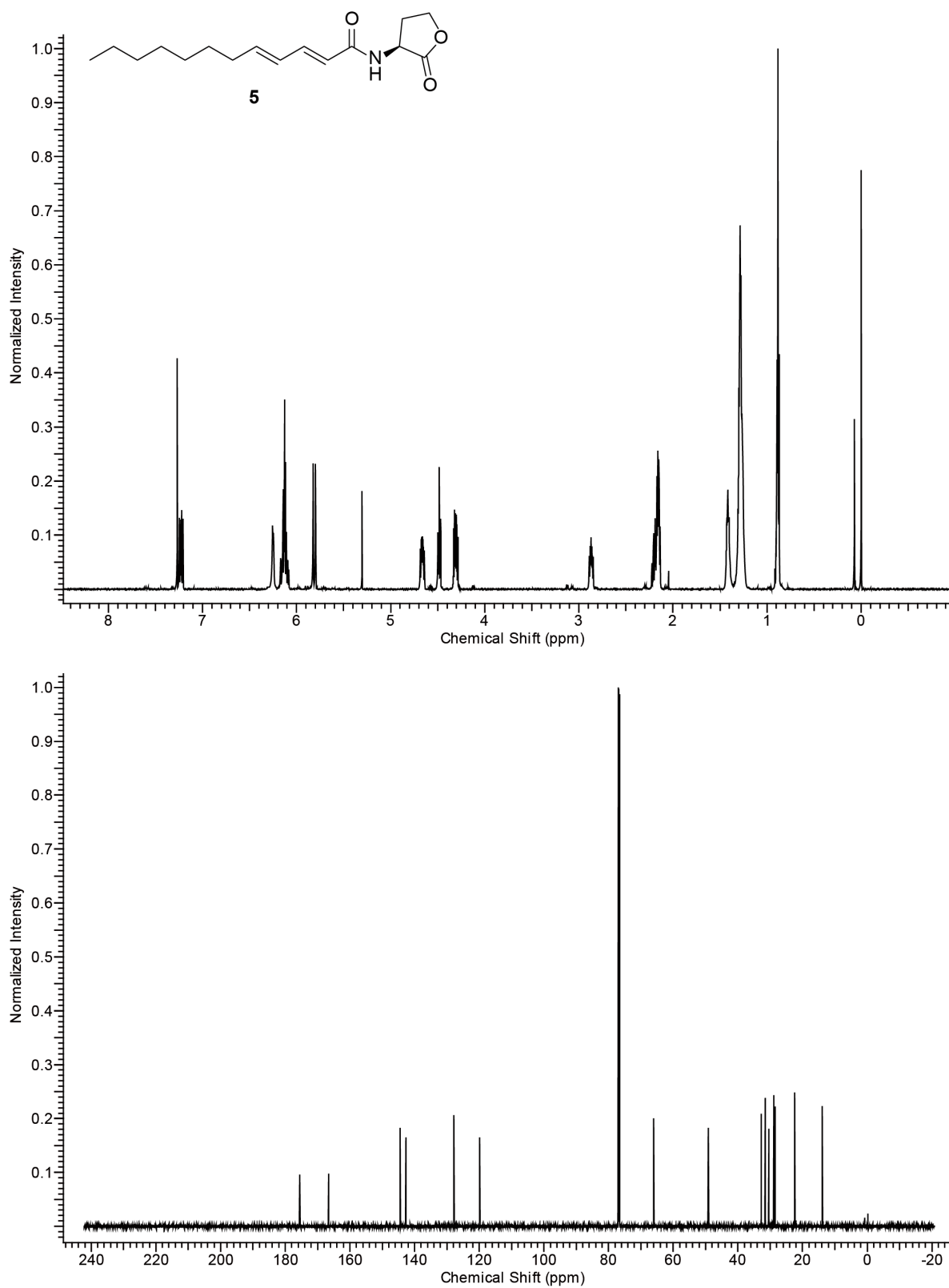


Figure S4. ¹H-NMR and ¹³C-NMR spectrum of *N*-((2*E*,4*E*)-2,4-dodecadienyl)homoserine lactone (2*E*,4*E*-C12:2-HSL, 5).