Supplementary Data

Total synthesis of the marine natural products lukianols A and B

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¹H and ¹³C NMR spectra

S2-S23



¹³C NMR Spectrum of Compound 9 (CDCl₃)



¹H NMR Spectrum of Compound **10** (CDCl₃)



¹³C NMR Spectrum of Compound**10** (CDCl₃)



¹H NMR Spectrum of Compound **11** (CDCl₃)



¹³C NMR Spectrum of Compound **11** (CDCl₃)





¹³C NMR Spectrum of Compound **12** (CDCl₃)



¹H NMR Spectrum of Compound **13** (CDCl₃)



¹³C NMR Spectrum of Compound **13** (CDCl₃)



¹H NMR Spectrum of Compound **14** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound **14** (DMSO-*d*₆)



¹H NMR Spectrum of Compound **15** (CDCl₃)



¹³C NMR Spectrum of Compound **15** (CDCl₃)



¹H NMR Spectrum of Compound **16** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound **16** (DMSO-*d*₆)



¹H NMR Spectrum of Compound **1** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound 1 (DMSO-*d*₆)



$^1\mathrm{H}$ NMR Spectrum of Compound 17 (CDCl_3)



¹³C NMR Spectrum of Compound 17 (CDCl₃)



¹H NMR Spectrum of Compound **18** (CDCl₃)



¹³C NMR Spectrum of Compound 18 (CDCl₃)



¹H NMR Spectrum of Compound **19** (CDCl₃)



¹³C NMR Spectrum of Compound **19** (CDCl₃)



¹H NMR Spectrum of Compound **20** (CDCl₃)



¹³C NMR Spectrum of Compound **20** (CDCl₃)



¹H NMR Spectrum of Compound **21** (CDCl₃)



¹³C NMR Spectrum of Compound **21** (CDCl₃)



¹H NMR Spectrum of Compound **22** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound **22** (DMSO-*d*₆)



¹H NMR Spectrum of Compound **23** (CDCl₃)



¹³C NMR Spectrum of Compound **23** (CDCl₃)



¹H NMR Spectrum of Compound **24** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound **24** (DMSO-*d*₆)



¹H NMR Spectrum of Compound **25** (DMSO-*d*₆)



¹³C NMR Spectrum of Compound **25** (DMSO-*d*₆)



¹H NMR Spectrum of Compound **26** (acetone-*d*₆)



¹³C NMR Spectrum of Compound **26** (acetone-*d*₆)



¹H NMR Spectrum of Compound **27** (acetone-*d*₆)



¹³C NMR Spectrum of Compound **27** (acetone-*d*₆)



¹H NMR Spectrum of Compound **2** (acetone- d_6)



¹³C NMR Spectrum of Compound **2** (acetone- d_6)



¹H NMR Spectrum of Compound **28** (acetone-*d*₆)



¹³C NMR Spectrum of Compound **28** (acetone-*d*₆)

