Supporting Information

Total Synthesis of (–)-Anamarine

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S3:	¹ H NMR spectrum of 7
S4:	¹³ C NMR spectrum of 7
S5:	¹ H NMR spectrum of 9
S6:	¹³ C NMR spectrum of 9
S7:	¹ H NMR spectrum of mixture of 11 and 12
S8:	¹³ C NMR spectrum of mixture of 11 and 12
S9:	¹ H NMR spectrum of 10
S10:	¹³ C NMR spectrum of 10
S11:	¹ H NMR spectrum of 13
S12:	¹³ C NMR spectrum of 13
S13:	¹ H NMR spectrum of 14
S14:	¹³ C NMR spectrum of 14
S15:	¹ H NMR spectrum of 15
S16:	¹³ C NMR spectrum of 15
S17:	¹ H NMR spectrum of 16
S18:	¹³ C NMR spectrum of 16
S19:	¹ H NMR spectrum of 17
S20:	¹³ C NMR spectrum of 17
S21:	¹ H NMR spectrum of 6
S22:	¹³ C NMR spectrum of 6
S23:	¹ H NMR spectrum of 18
S24:	¹³ C NMR spectrum of 18
S25:	¹ H NMR spectrum of 5
S26:	¹³ C NMR spectrum of 5

S27: ^1H NMR spectrum of **1**
S28: ^{13}C NMR spectrum of **1**
S 29: General experimental procedures

C13, 29.11.10, 100 MHz)

General Procedures: Column chromatography was performed on silica gel, Acme grade 100-200 mesh. TLC plates were visualized either with UV, in an iodine chamber, or with phosphomolybdic acid spray, unless noted otherwise. Unless stated otherwise, all reagents were purchased from commercial sources and used without additional purification. THF was freshly distilled over Na-benzophenone ketyl. Melting points were uncorrected. Unless stated otherwise, ^1H NMR and ^{13}C NMR spectra were recorded either on a 400 MHz machine in CDCl_3 as solvent with TMS as reference unless otherwise indicated. Unless stated otherwise, all the reactions were performed under inert atmosphere.