Supporting Information

Total Synthesis of (-)-Amathaspiramide F

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^1H & ^{13}C NMR

¹H NMR 3 (400 MHz, CDCl₃)

^{13}C NMR 3 (75 MHz, CDCl_3)

¹H NMR 4 (400 MHz, CDCl₃)

^{13}C NMR 4 (100 MHz, CDCl_3)

^1H NMR 5 (400 MHz, CDCl_3)

^{13}C NMR 5 (100 MHz, CDCl_3)

^1H NMR 6 (400 MHz, CDCl_3)

mixture of diastereomers (*dr* 1 : 1)

^{13}C NMR 6 (75 MHz, CDCl_3)

a mixture of diastereomers (*dr* 1 : 1)

^1H NMR 7 (400 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^{13}C NMR 7 (100 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^1H NMR 8 (400 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^{13}C NMR 8 (100 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^1H NMR 9 (400 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^{13}C NMR 9 (100 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^1H NMR 10 (400 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

^{13}C NMR 10 (75 MHz, CDCl_3)

mixture of diastereomers (*dr* 7 : 1)

¹H NMR (2*S*,3*R*)-11 (400 MHz, CDCl₃)

^{13}C NMR (2*S*,3*R*)-11 (100 MHz, CDCl_3)

^1H NMR (2*R*,3*R*)-11 (400 MHz, CDCl_3)

^{13}C NMR (2*R*,3*R*)-11 (75 MHz, CDCl_3)

¹H NMR 12 (400 MHz, CDCl₃)

^{13}C NMR 12 (150 MHz, CDCl_3)

12 noesy (600 MHz, CDCl₃)

0.7-6.2 ppm

12 noesy (600 MHz, CDCl₃)

5.0-7.9 ppm

^1H NMR 16 (400 MHz, CDCl_3)

^{13}C NMR 16 (100 MHz, CDCl_3)

¹H NMR 17 (400 MHz, CDCl₃)

^{13}C NMR 17 (100 MHz, CDCl_3)

^{13}C NMR synthetic amathaspiramide F (1) (150 MHz, CDCl_3)

^1H NMR 13 (400 MHz, CDCl_3)

^1H NMR 14 (400 MHz, CDCl_3)

^1H NMR 15 (400 MHz, CDCl_3)

^1H NMR 20 (300 MHz, CDCl_3)

^{13}C NMR 20 (100 MHz, CDCl_3)

^1H NMR 21 (300 MHz, CDCl_3)

^{13}C NMR 21 (100 MHz, CDCl_3)

^1H NMR 18 (600 MHz, CDCl_3)

^{13}C NMR 18 (100 MHz, CDCl_3)

^1H NMR 19 (600 MHz, CDCl_3)

^{13}C NMR 19 (100 MHz, CDCl_3)