

CHEMISTRY 
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Supporting Information

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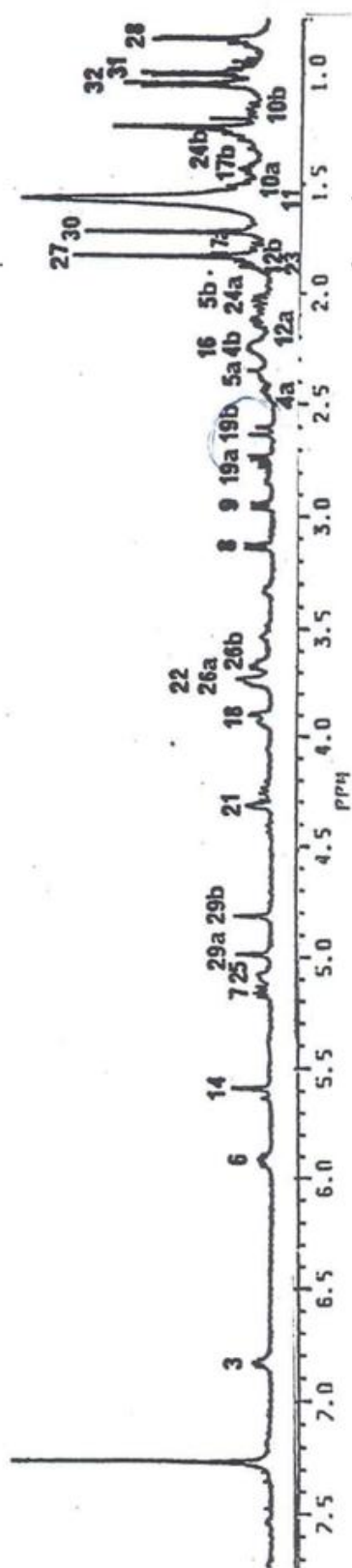
**Total Syntheses of Amphidinolides B1, B4, G1, H1 and Structure Revision
of Amphidinolide H2**

Alois Fürstner,* Laure C. Bouchez, Louis Morency, Jaques-Alexis Funel, Vilnis Liepins,
François-Hugues Porée, Ryan Gilmour, Daniel Laurich, Florent Beaufils, and Minoru Tamiya

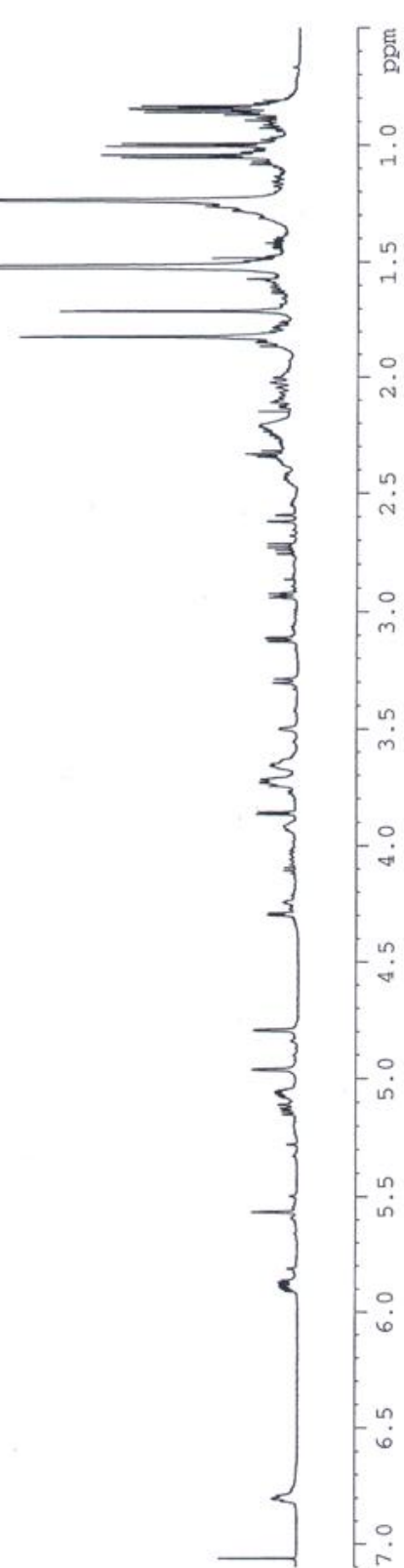
Max-Planck-Institut für Kohlenforschung, 45470 Mülheim/Ruhr (Germany)

Comparison of ^1H NMR (CDCl_3) of Amphidinolide H1.

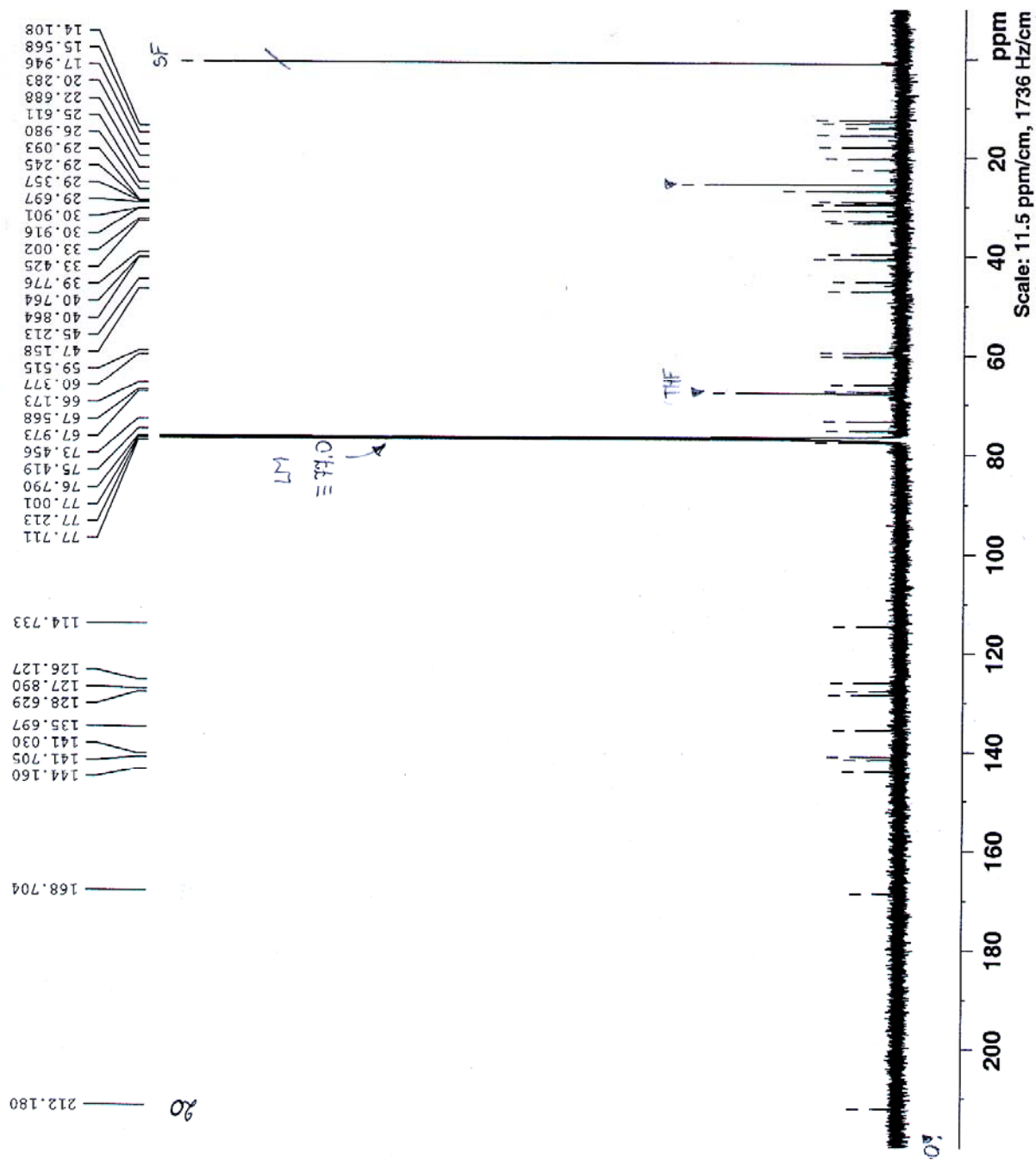
Kobayashi Spectrum



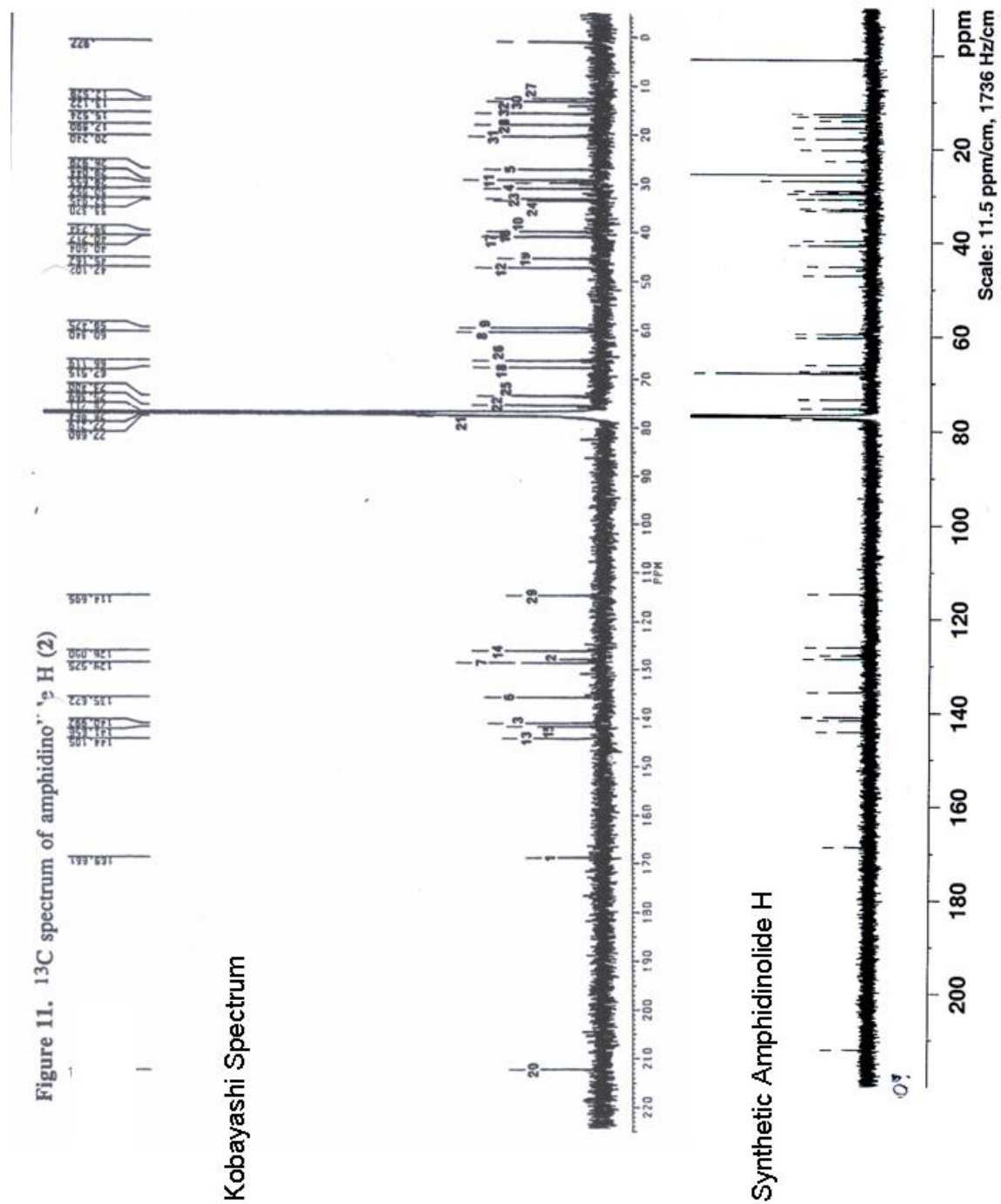
Synthetic Amphidinolide H



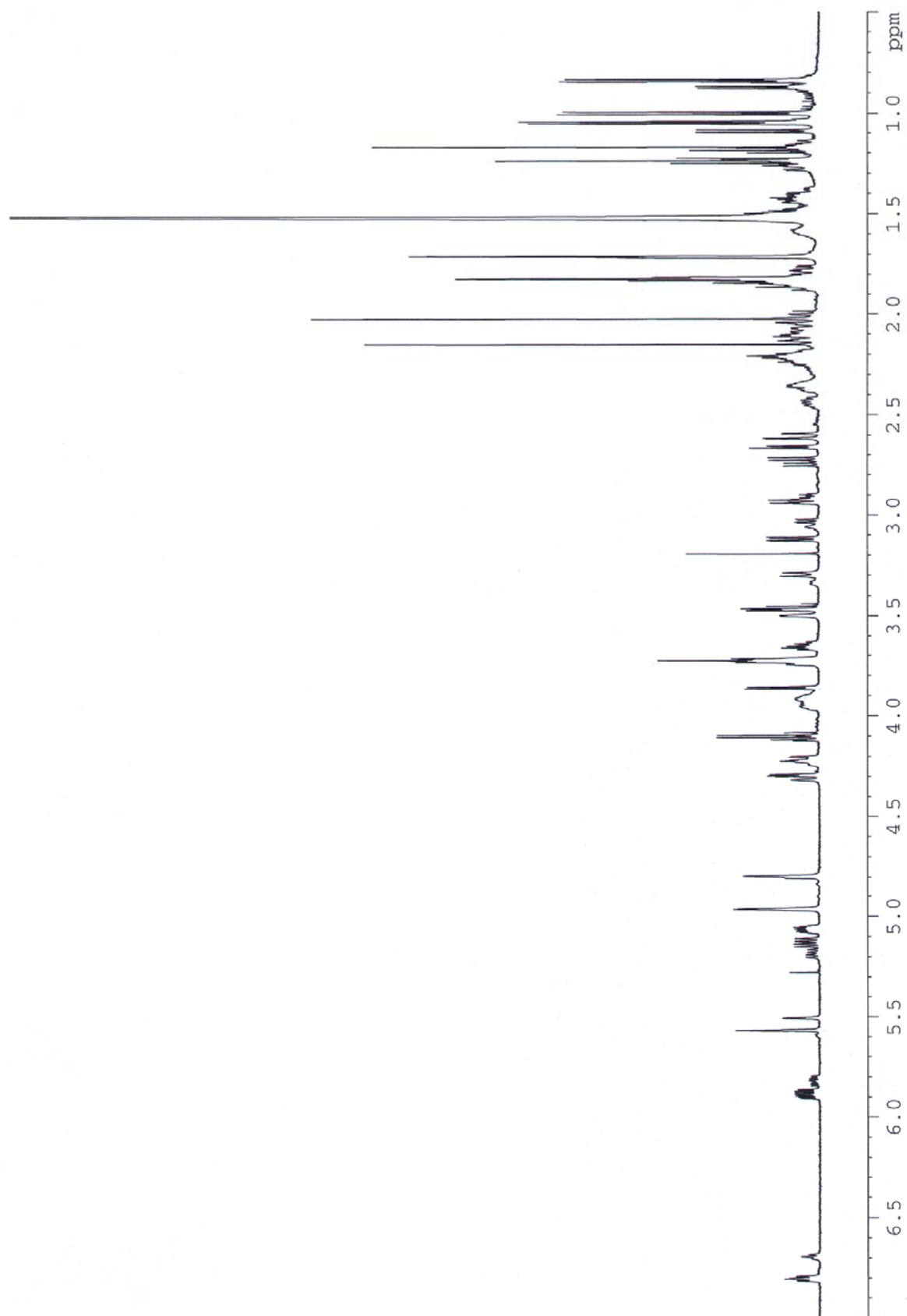
Amphidinolide H1 (9): ^{13}C NMR (150 MHz, CDCl_3):



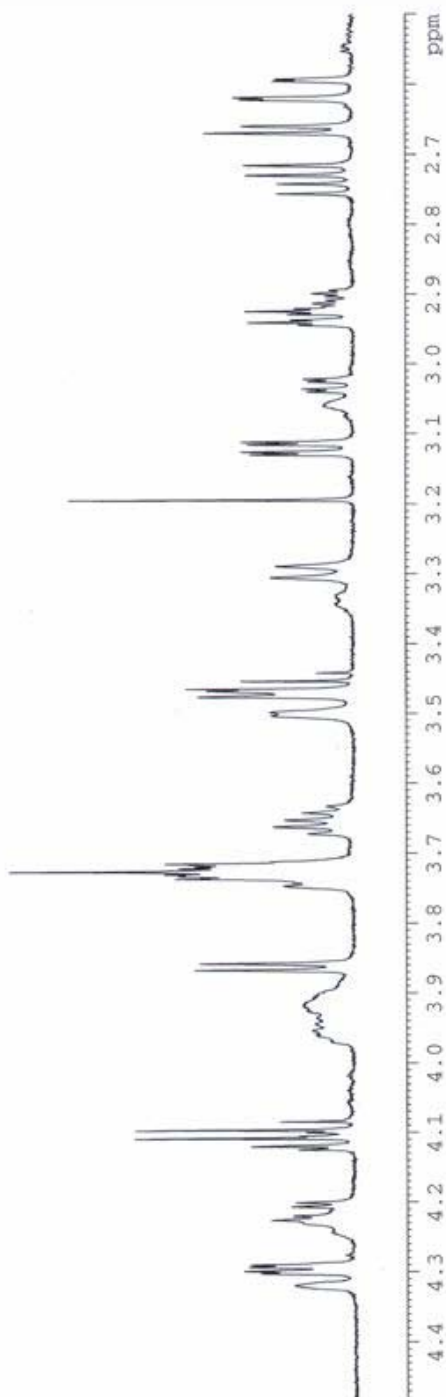
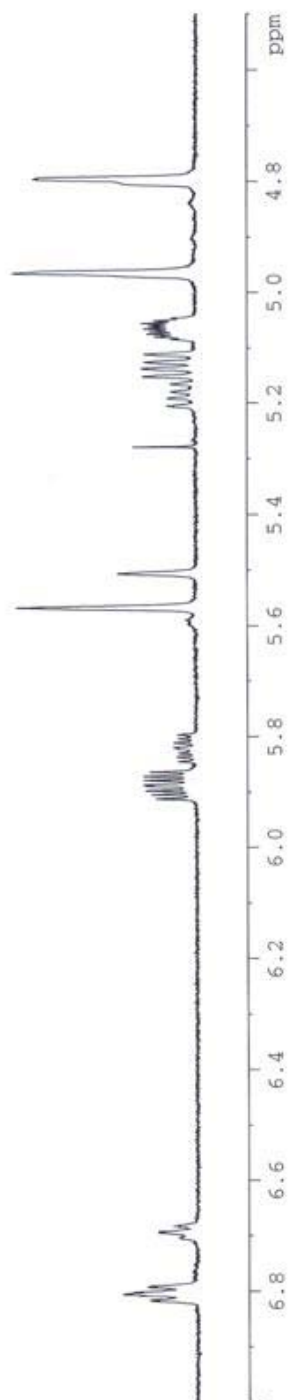
Comparison of ^{13}C NMR (CDCl_3) of Amphidinolide H1.



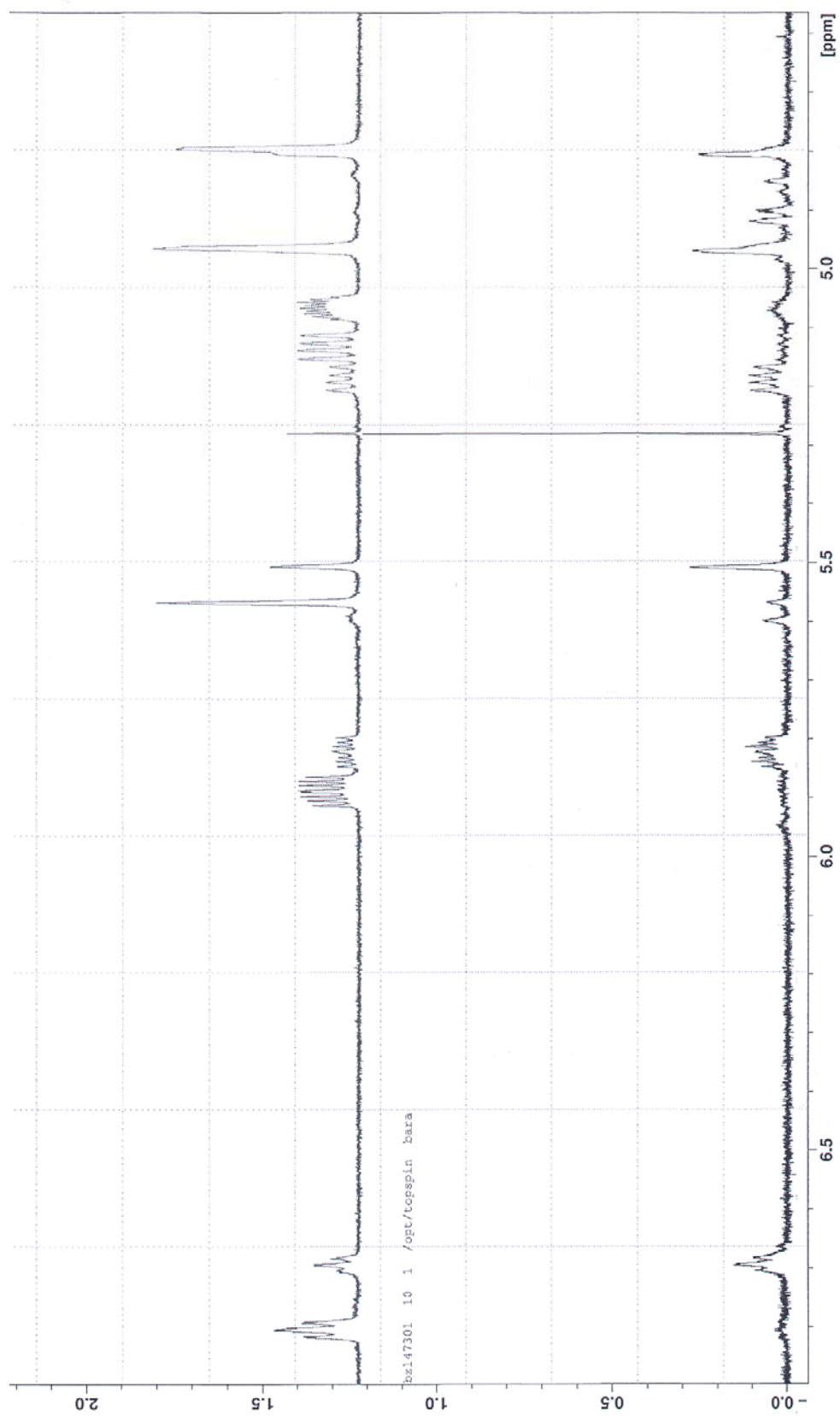
^1H NMR (600 MHz, CDCl_3)-Equilibration between Amphidinolide H1 (**9**) and G1 (**14**).



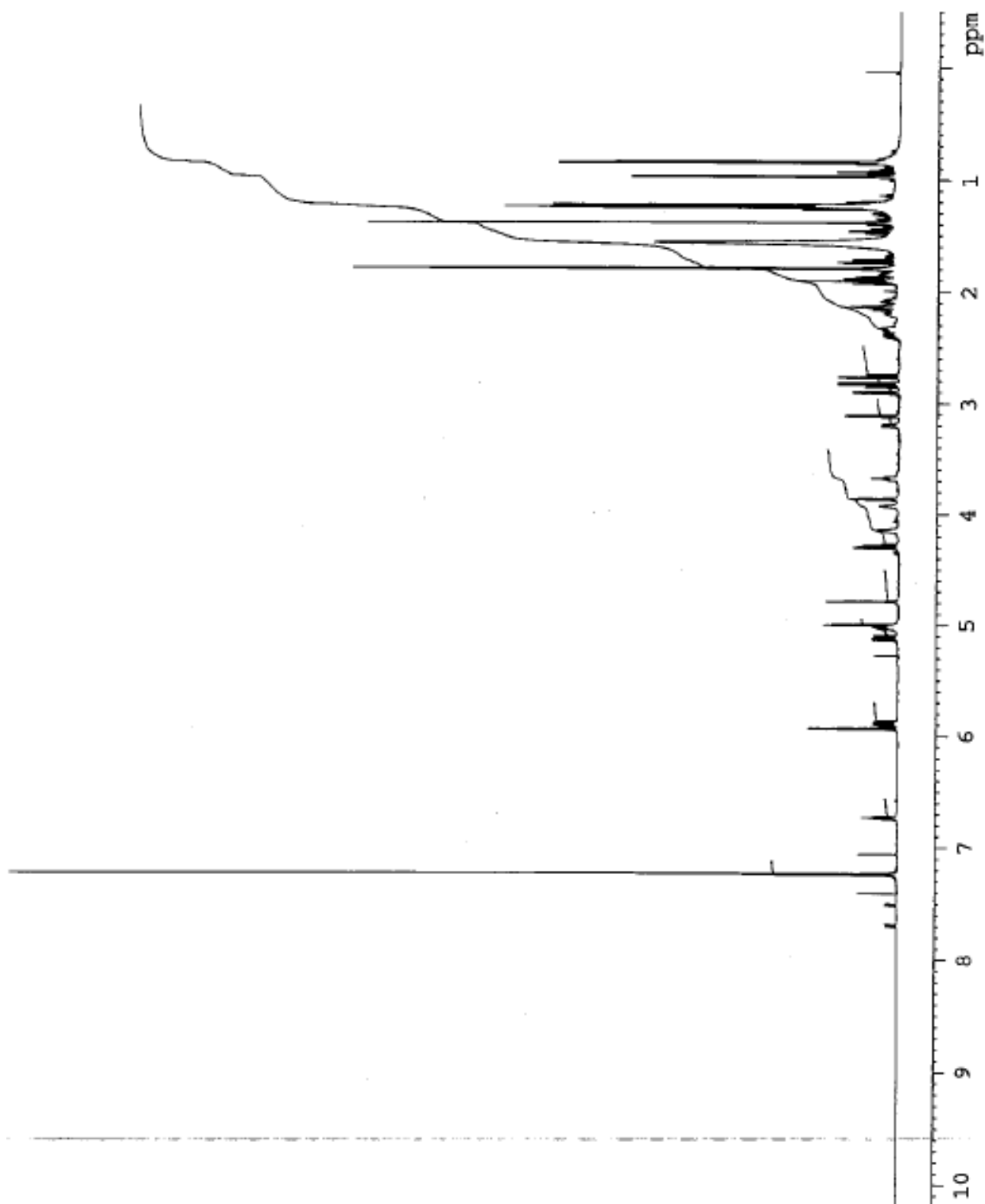
^1H NMR (600 MHz, CDCl_3)- Equilibration between Amphidinolide H1 (**9**) and G1 (**14**).



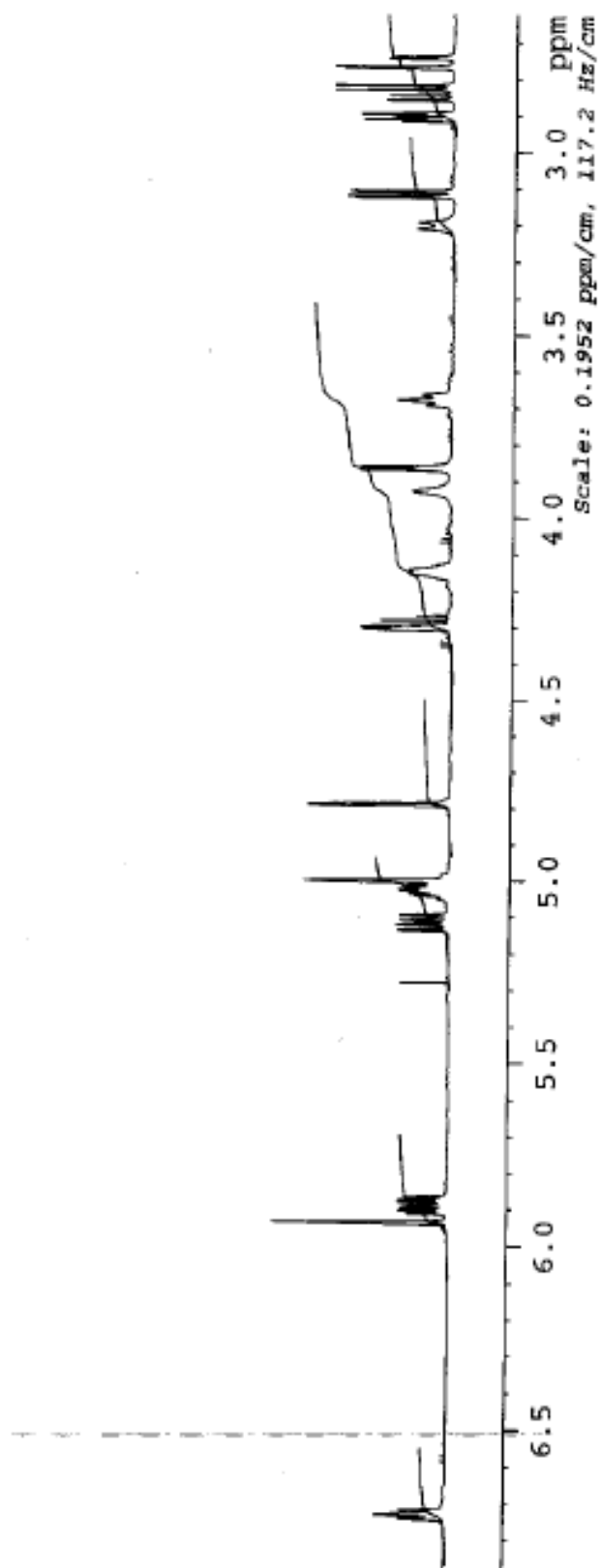
^1H NMR (CDCl_3) spectra of the equilibrium mixture of Amphidinolide H/G and of amphidinolide G (ca. 90%) isolated from this mixture by chromatography.



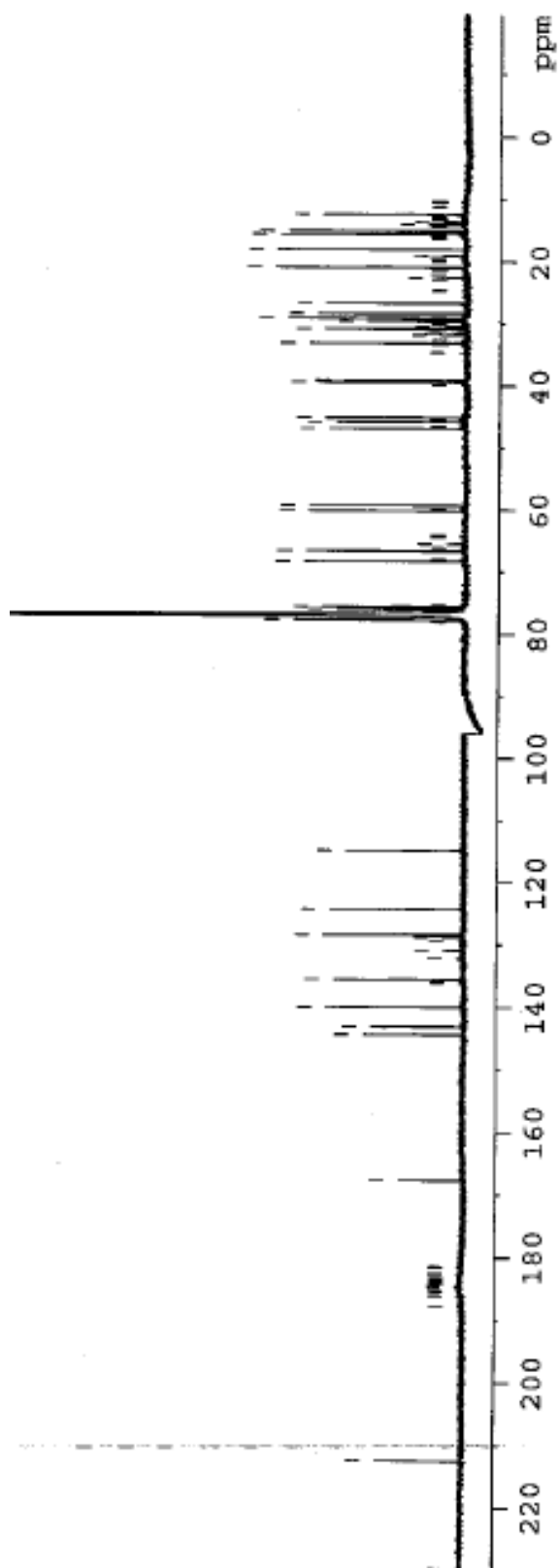
Amphidinolide B1 (**1**): ^1H NMR (600 MHz, CDCl_3):



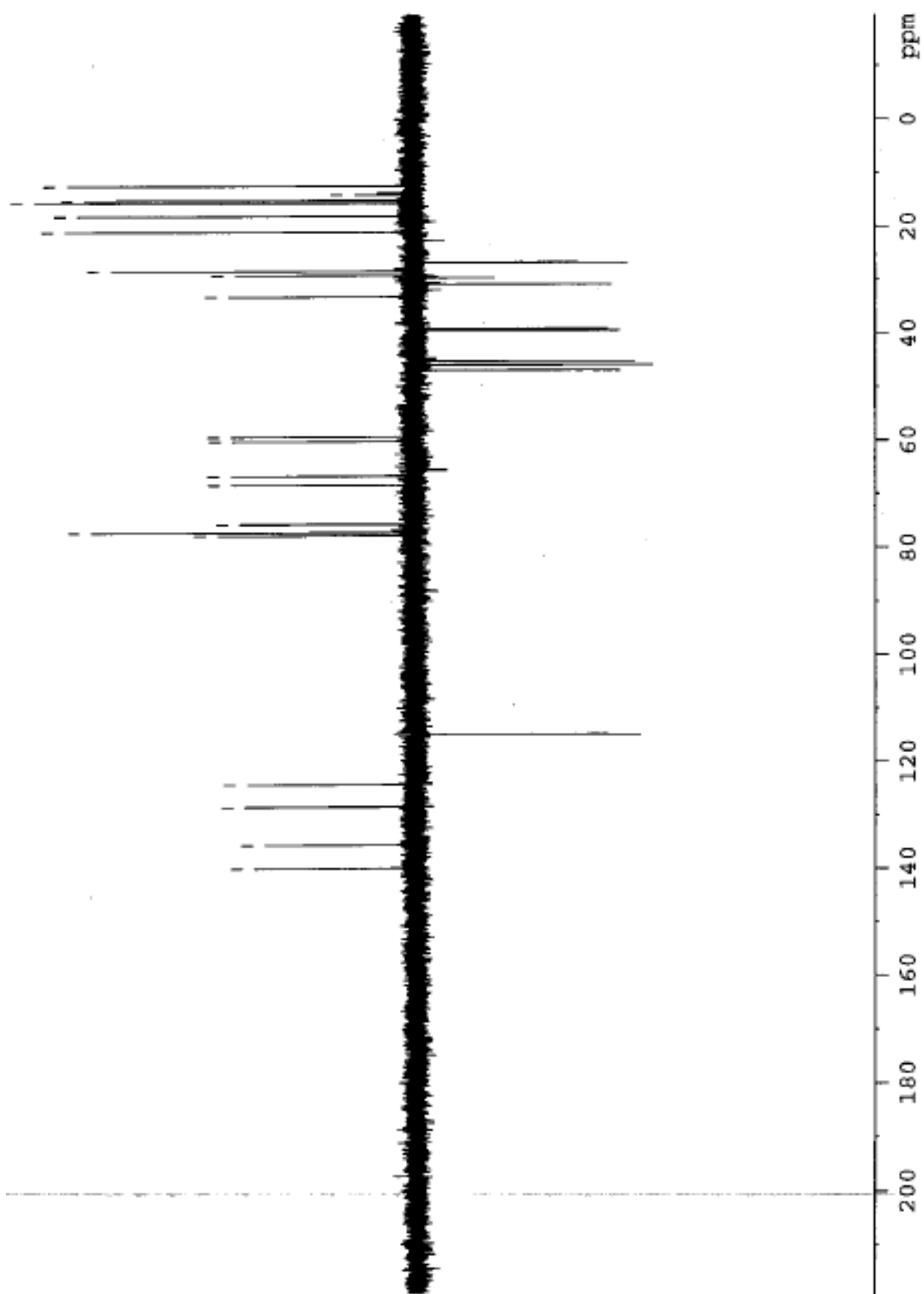
Amphidinolide B1 (**1**): ^1H NMR (600 MHz, CDCl_3):



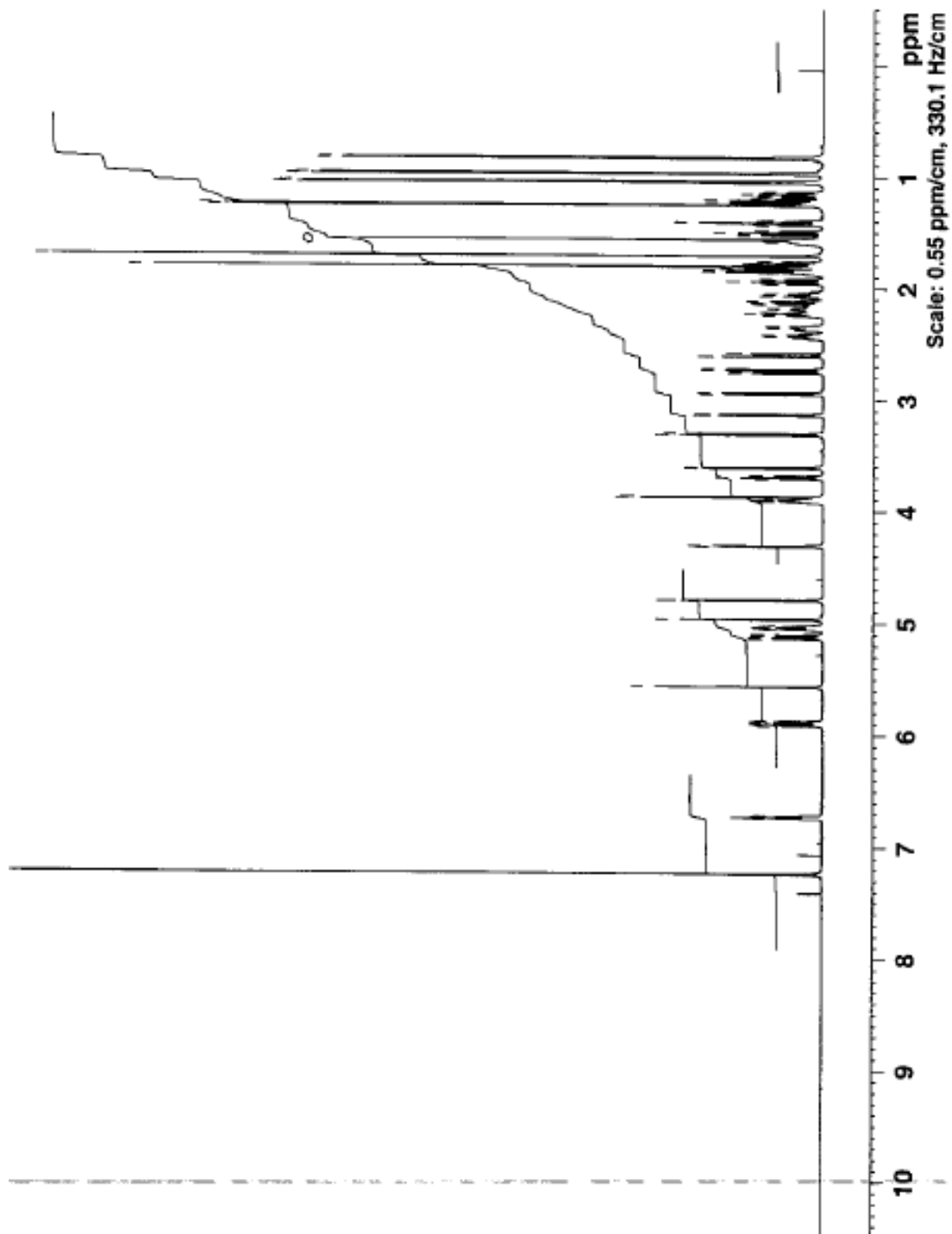
Amphidinolide B1 (**1**): ^{13}C NMR (150 MHz, CDCl_3):



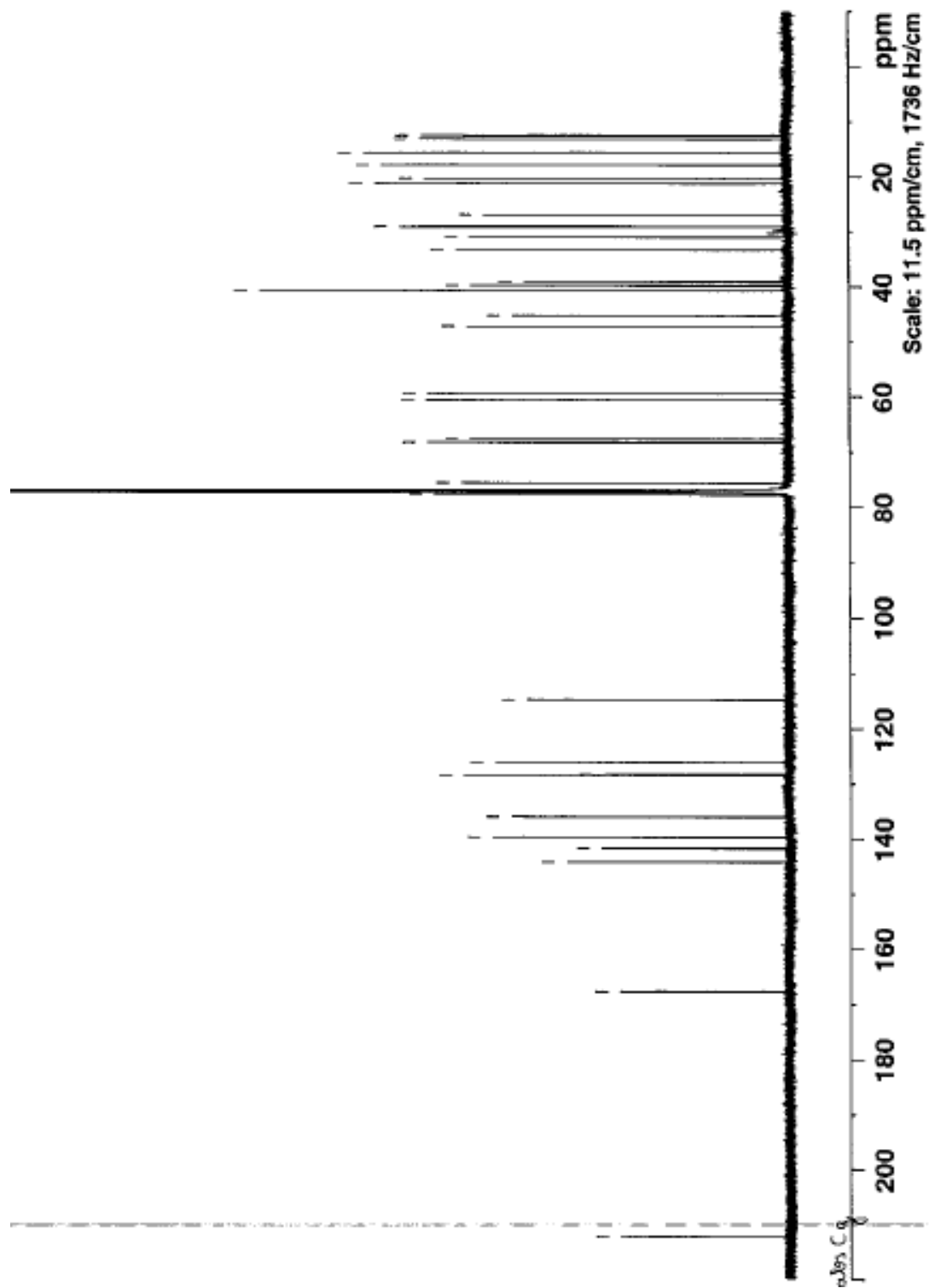
Amphidinolide B1 (1): ^{13}C NMR (150 MHz, CDCl_3):



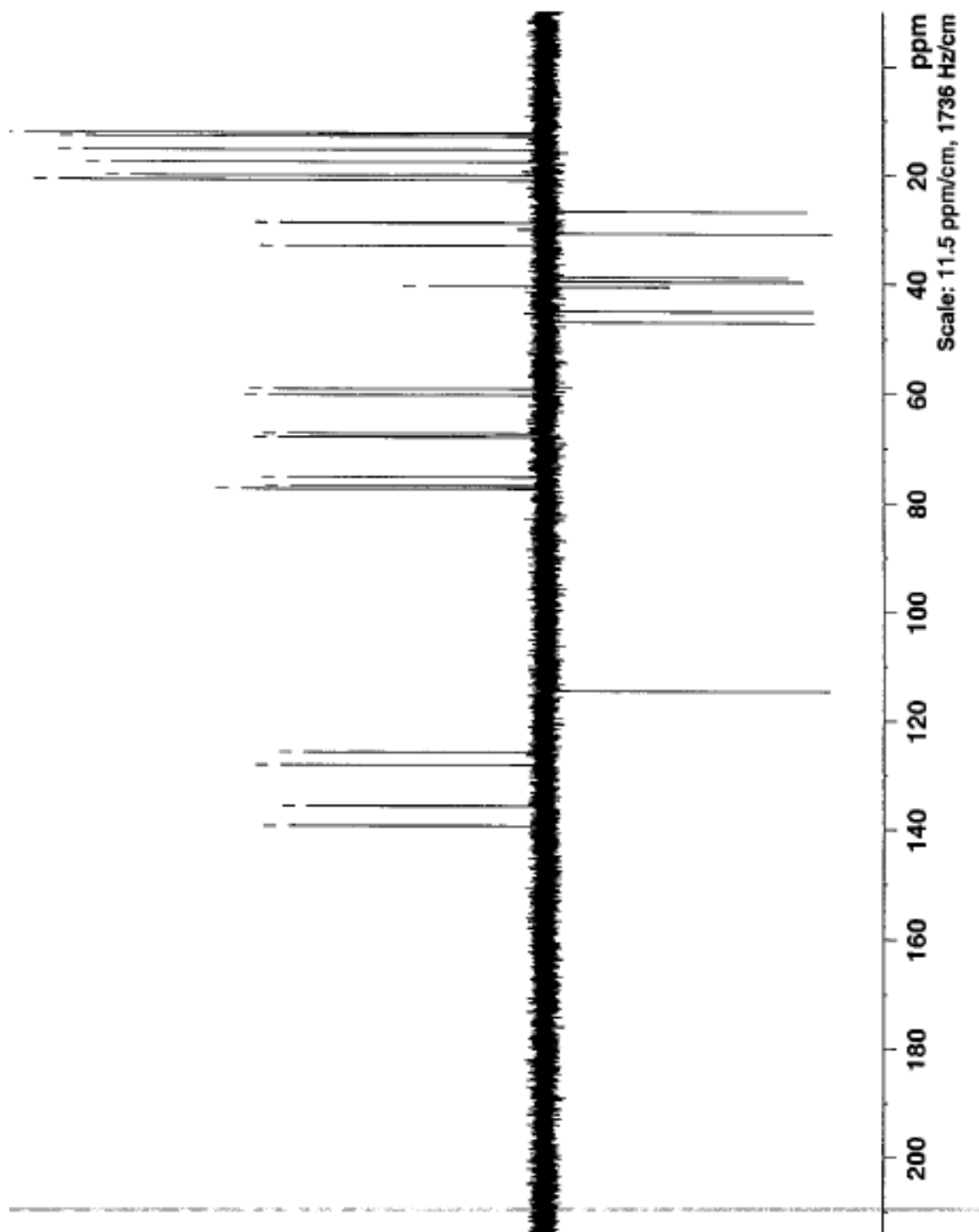
Amphidinolide B4 (**4**): ^1H NMR (600 MHz, CDCl_3):



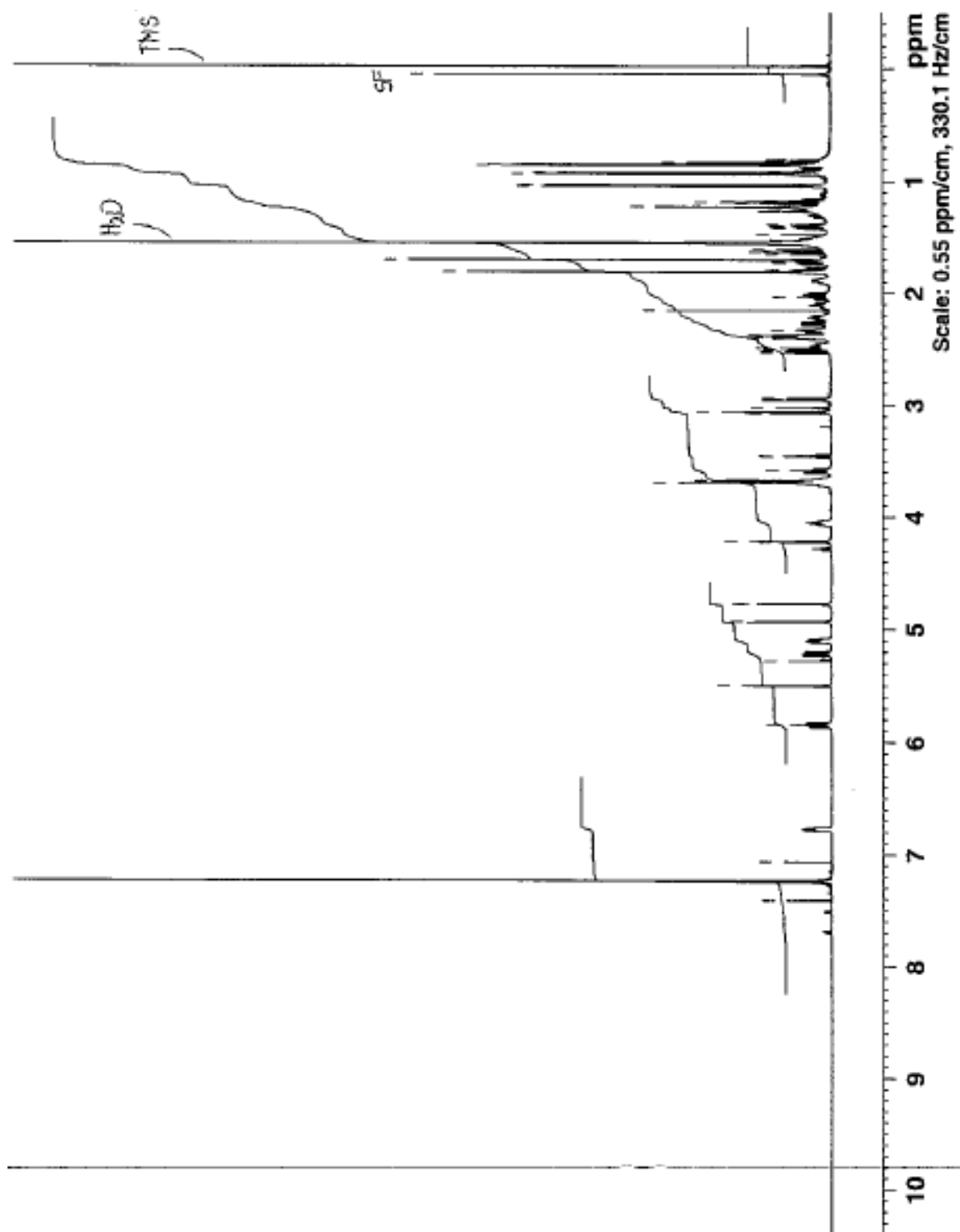
Amphidinolide B4 (**4**): ^{13}C NMR (150 MHz, CDCl_3):



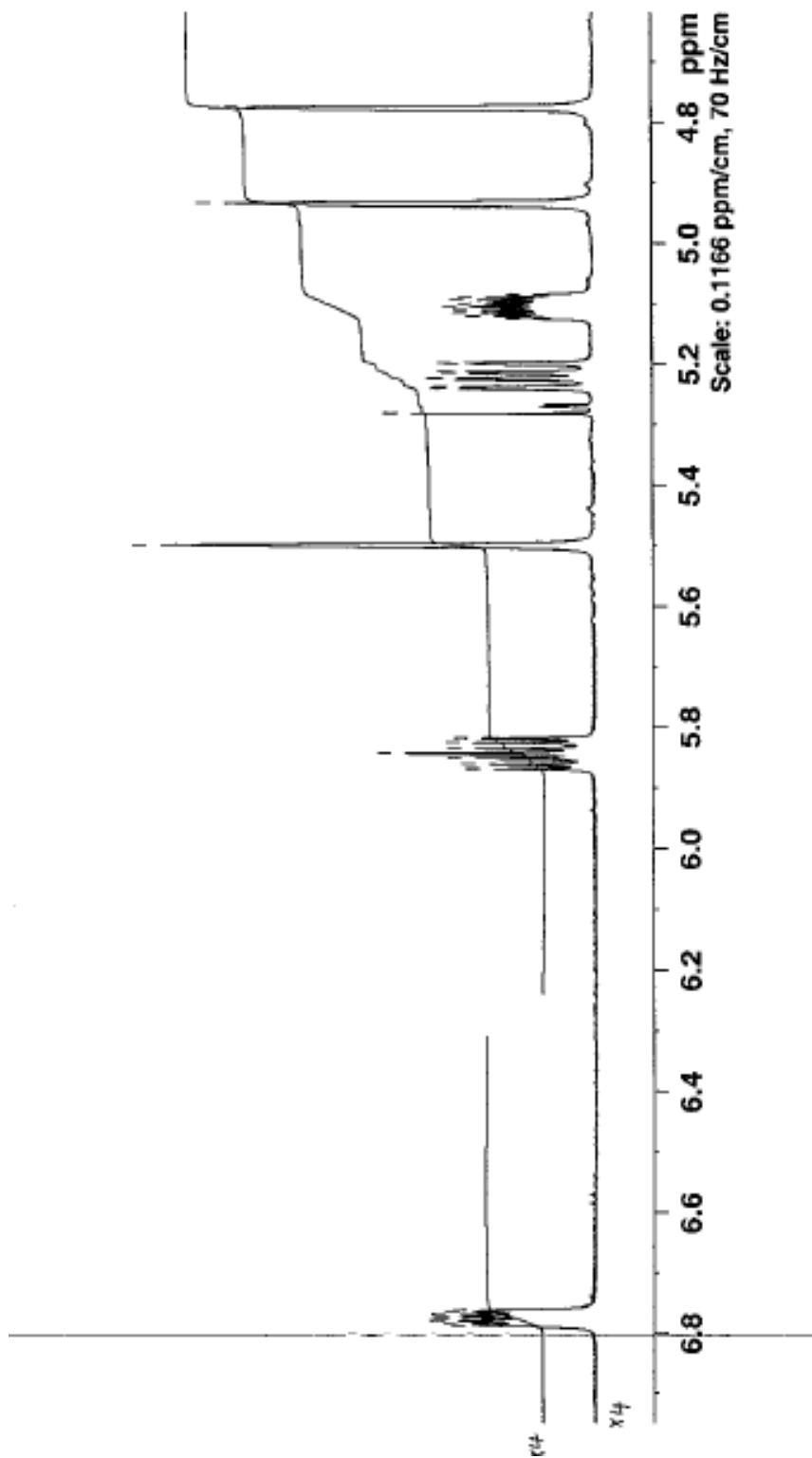
Amphidinolide B4 (**4**): ^{13}C NMR (150 MHz, CDCl_3):



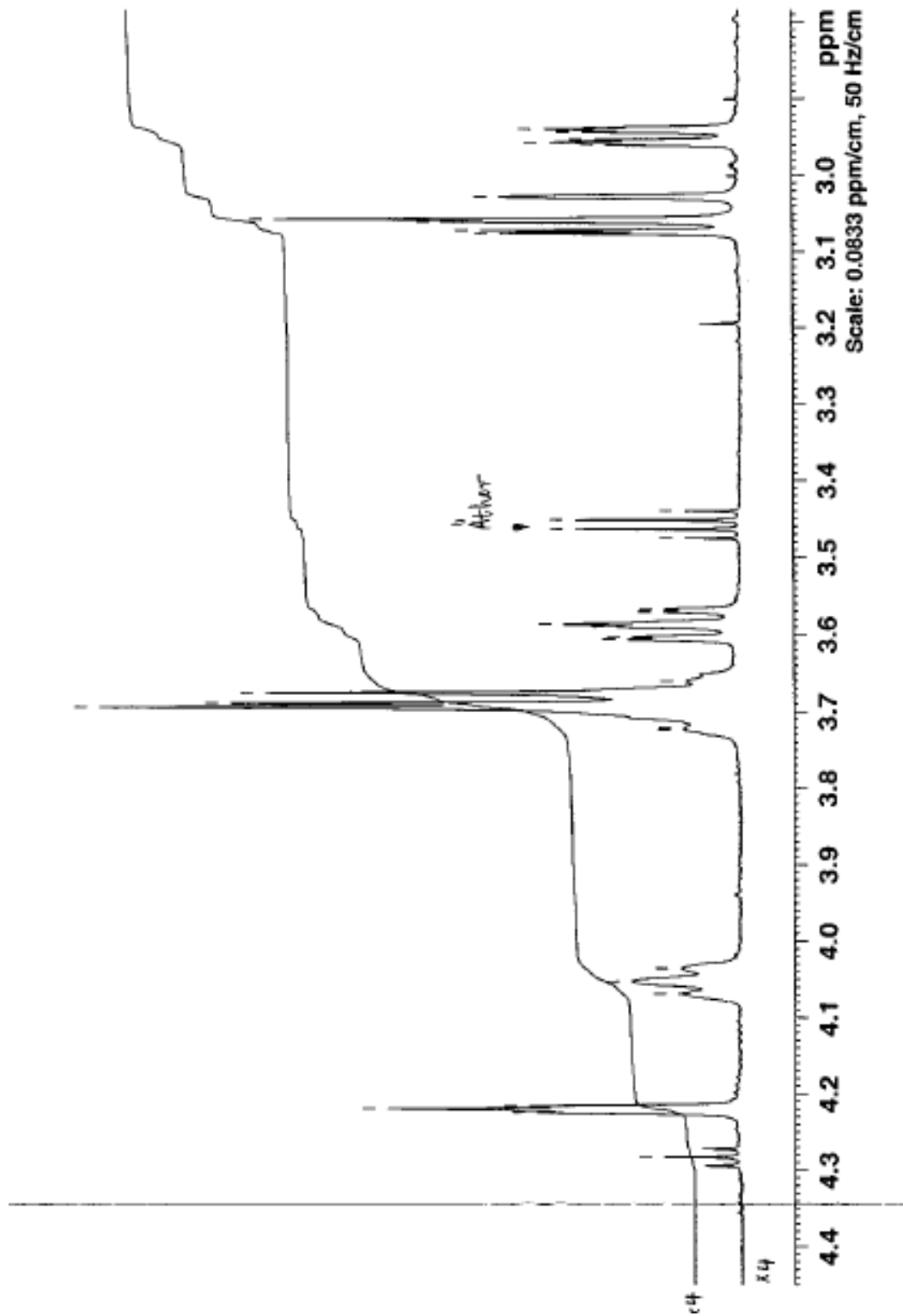
Amphidinolide H2 (**102**): ^1H NMR (600 MHz, CDCl_3):



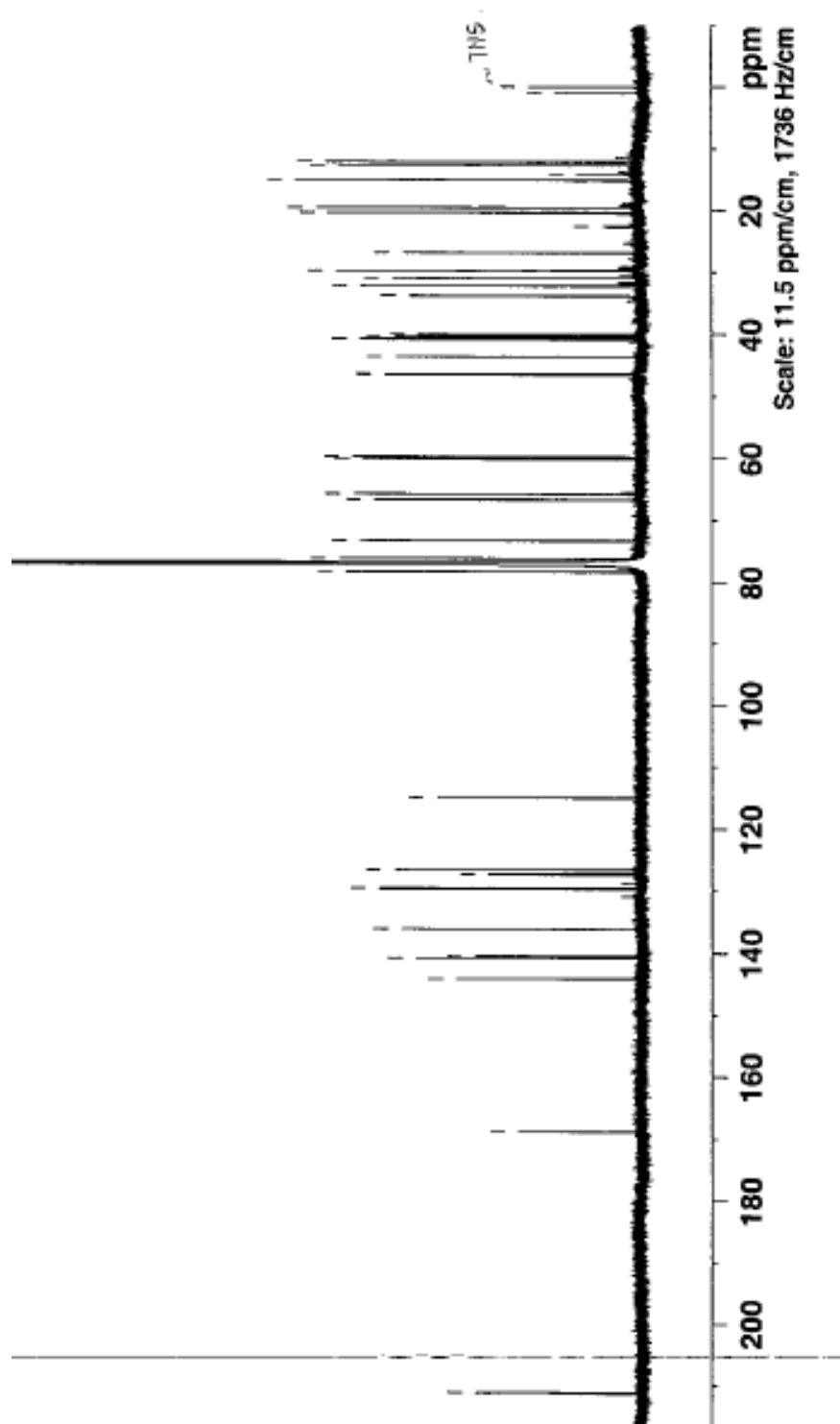
Amphidinolide H2 (**102**): ^1H NMR (600 MHz, CDCl_3):



Amphidinolide H2 (**102**): ^1H NMR (600 MHz, CDCl_3):



Amphidinolide H2 (**102**): ^{13}C NMR (150 MHz, CDCl_3):



Amphidinolide H2 (**102**): ^{13}C NMR (150 MHz, CDCl_3):

