Figure S2: 1D/2D-NMR experiments of compound **1**

Application of HPCCC combined with polymeric resins and HPLC for the separation of cyclic lipopeptides muscotoxins A-C and their anti-microbial activity.

José Cheel [1]*, Jan Hájek [1], Marek Kuzma[2], Kumar Saurav [1], Iva Smýkalová[3], Eliška Ondráčková[3], Petra Urajová [1], Dai Long Vu [1], Karine Faure [4], Jiří Kopecký [1] and Pavel Hrouzek [1]*

[1] Laboratory of Algal Biotechnology-Centre ALGATECH, Institute of Microbiology of the Czech Academy of Sciences, Opatovický mlýn, Novohradská 237, 379 81, Třeboň, Czech Republic; jcheel@alga.cz (J.C.) ; hajek@alga.cz (J.H); urajova@alga.cz (P.U.); longvu@alga.cz (D.L.V.); sauravverma17@gmail.com (K.S.); kopecky@alga.cz (J.K.); hrouzek@alga.cz (P.H.)

[2] Laboratory of Molecular Structure Characterization, Institute of Microbiology of the Czech Academy of Sciences, Vídeňská 1083, 142 20 Prague, Czech Republic; kuzma@biomed.cas.cz

[3] Plant Biotechnology Department, AGRITEC Plant Research Ltd., Zemědělská 2520/16, 787 01 Šumperk, Czech Republic; smykalova@agritec.cz; ondrackova@agritec.cz

[4] University of Lyon, CNRS, Université Claude Bernard Lyon 1, Ens de Lyon, Institut des Sciences Analytiques, UMR 5280, 5 rue de la Doua, 69100, Villeurbanne, France; karine.faure@isa-lyon.fr

* Correspondence: jcheel@alga.cz; jcheel@email.cz (J.C.); hrouzek@alga.cz (P.H.) ; Tel.: +420-384-340-465

Figure S2a: The ^{1}H NMR spectrum of **1** (600.23 MHz for ^{1}H, CD_3OD, 30 °C).

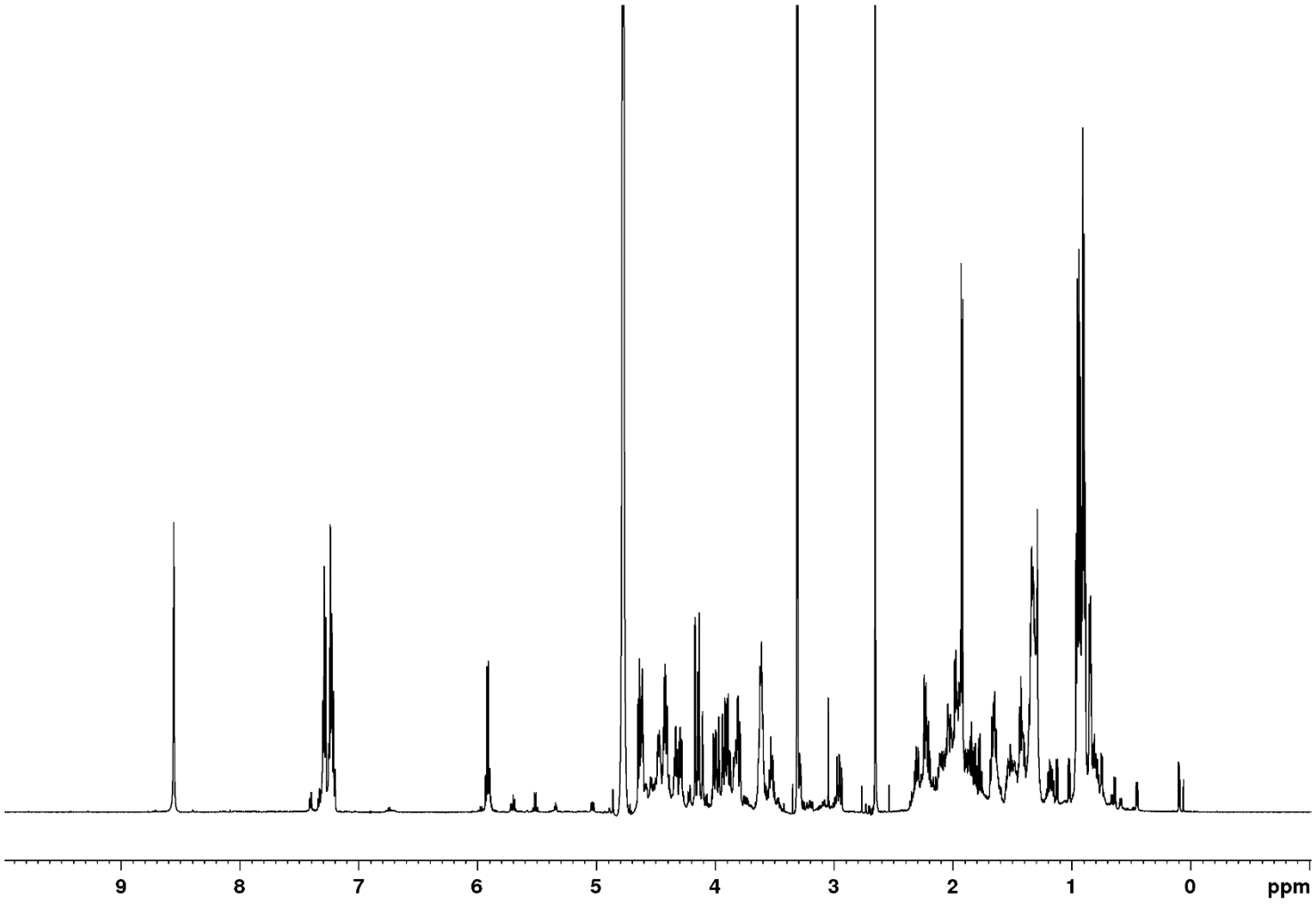

Figure S2b: The ^{13}C NMR spectrum of **1**, down-field region (150.93 MHz for ^{13}C, CD_3OD, 30 °C).

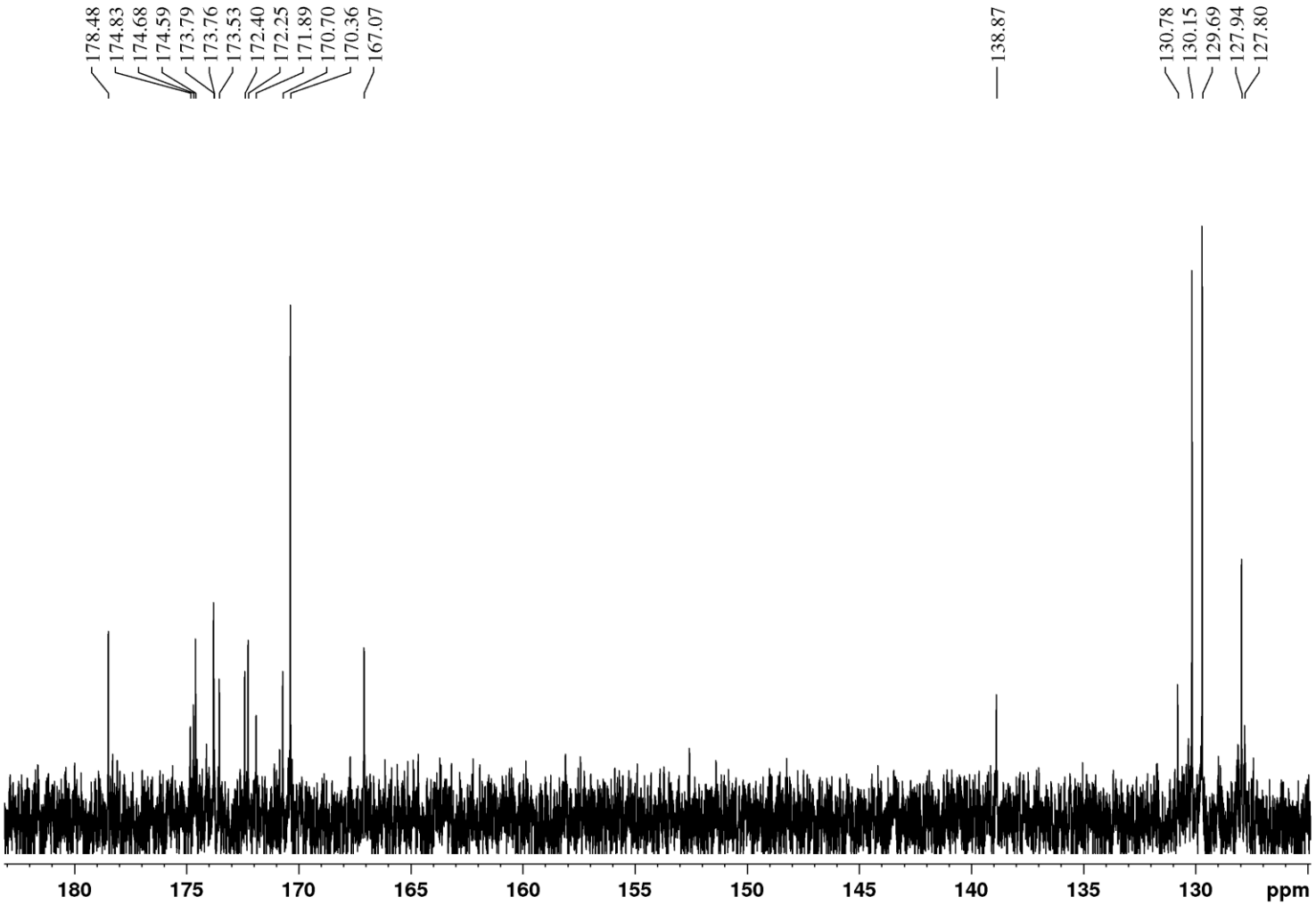

Figure S2c: The ^{13}C NMR spectrum of **1**, up-field region (150.93 MHz for ^{13}C, CD_3OD, 30 °C).

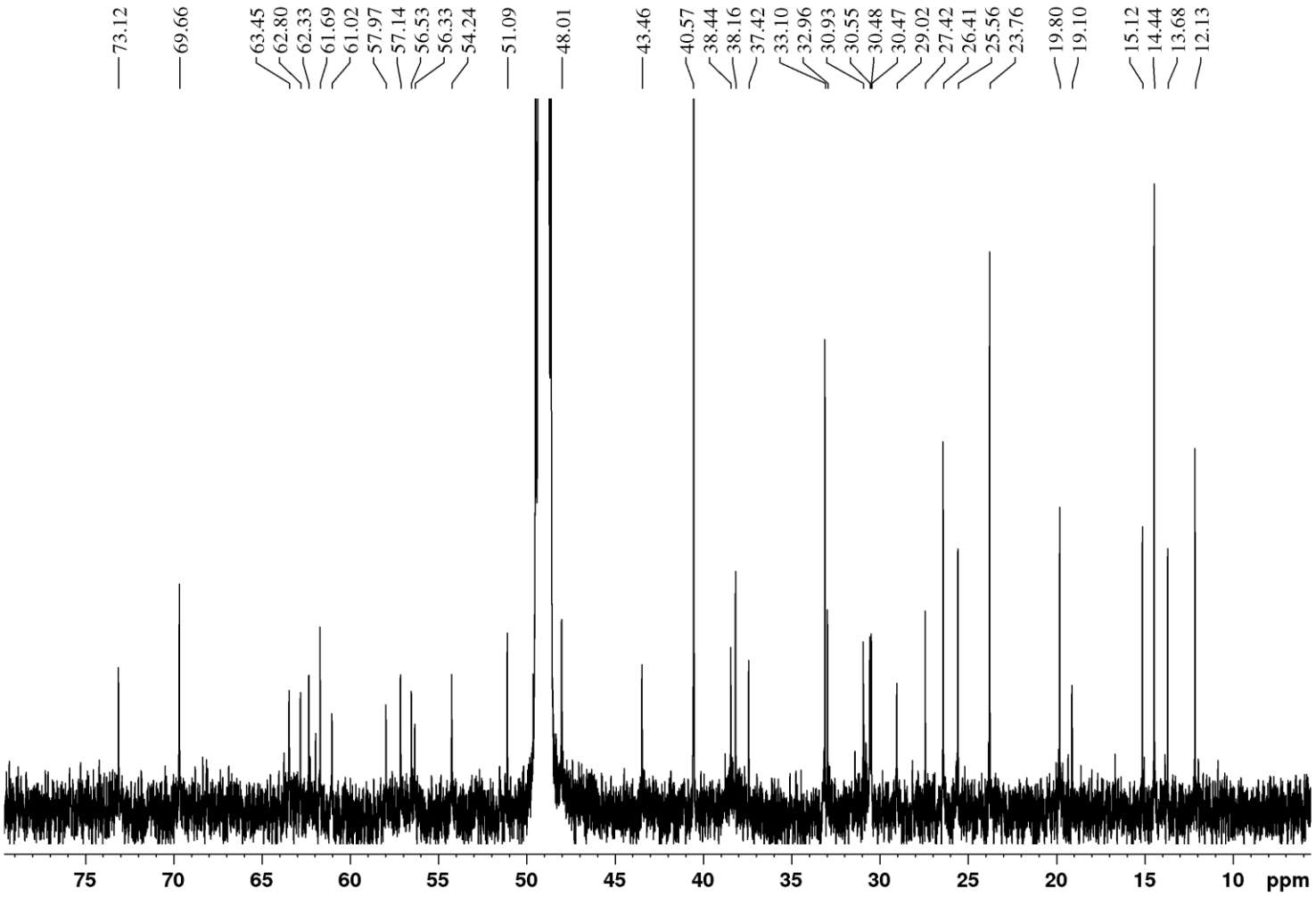

Figure S2d: The COSY spectrum of **1** (600.23 MHz for 1H, CD_3OD, 30 °C).

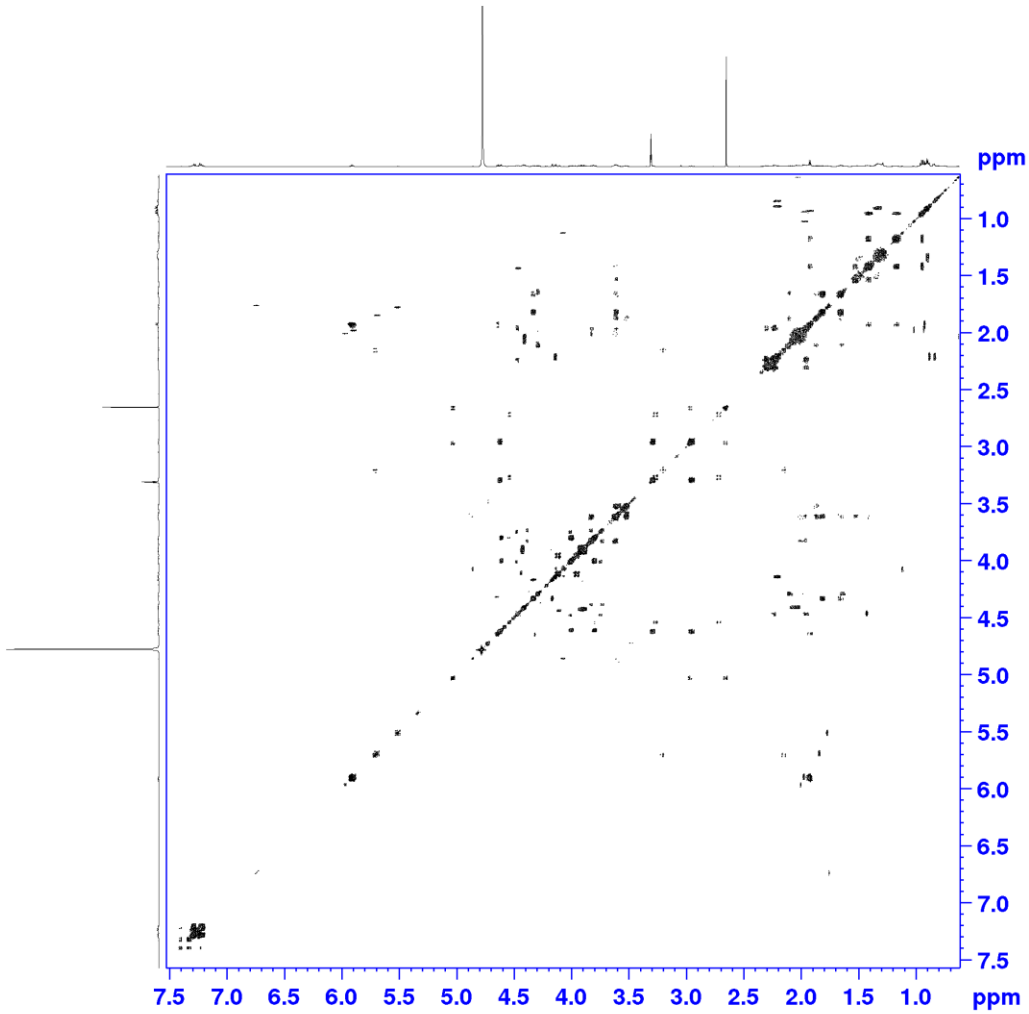

Figure S2e: The ^{1}H-^{13}C HSQC spectrum of **1** (600.23 MHz for ^{1}H, 150.93 MHz for ^{13}C, CD_3OD, 30 °C).

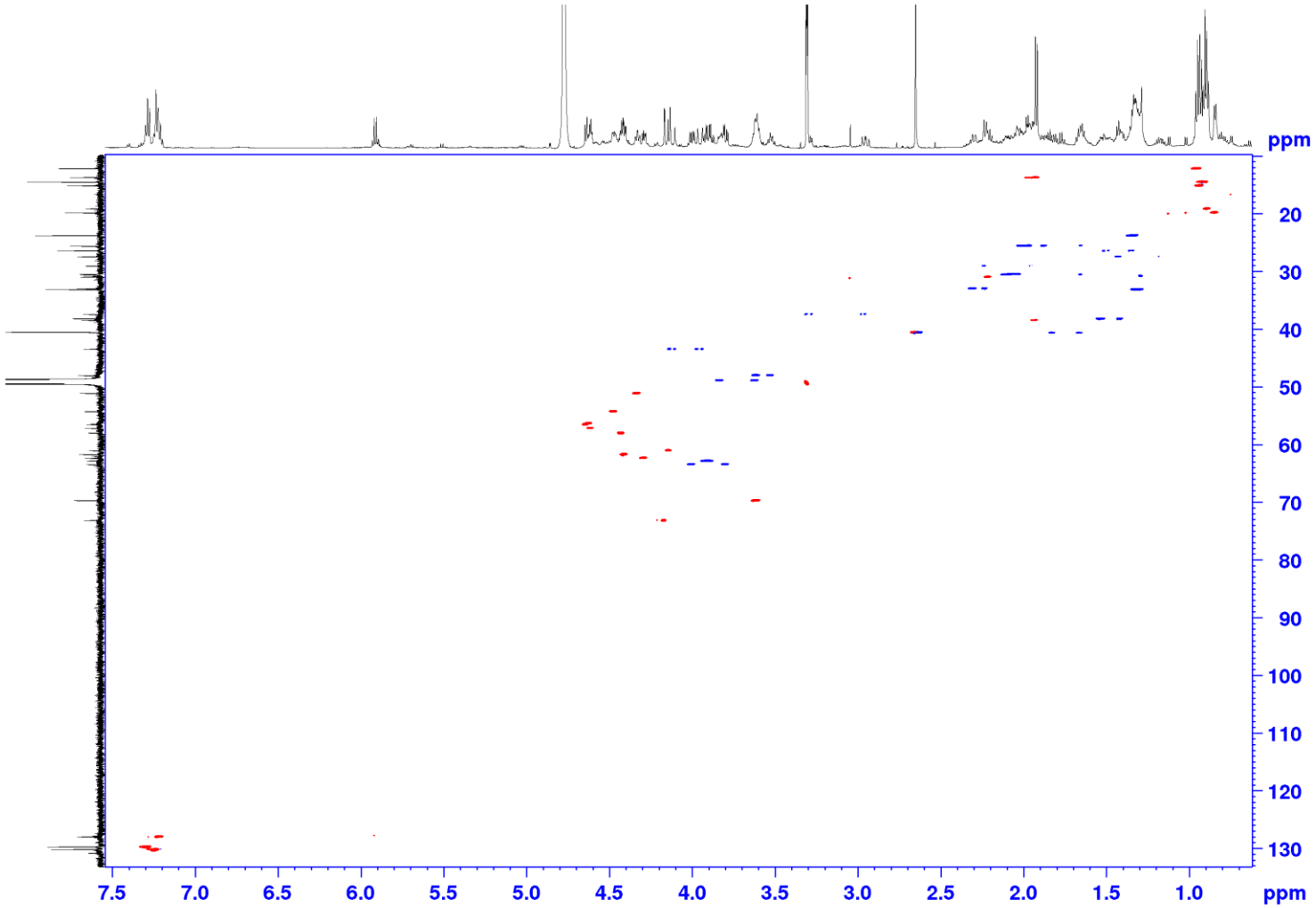

Figure S2f: The ^{1}H-^{13}C HMBC spectrum of **1** (600.23 MHz for ^{1}H, 150.93 MHz for 13C, CD_3OD, 30 °C).

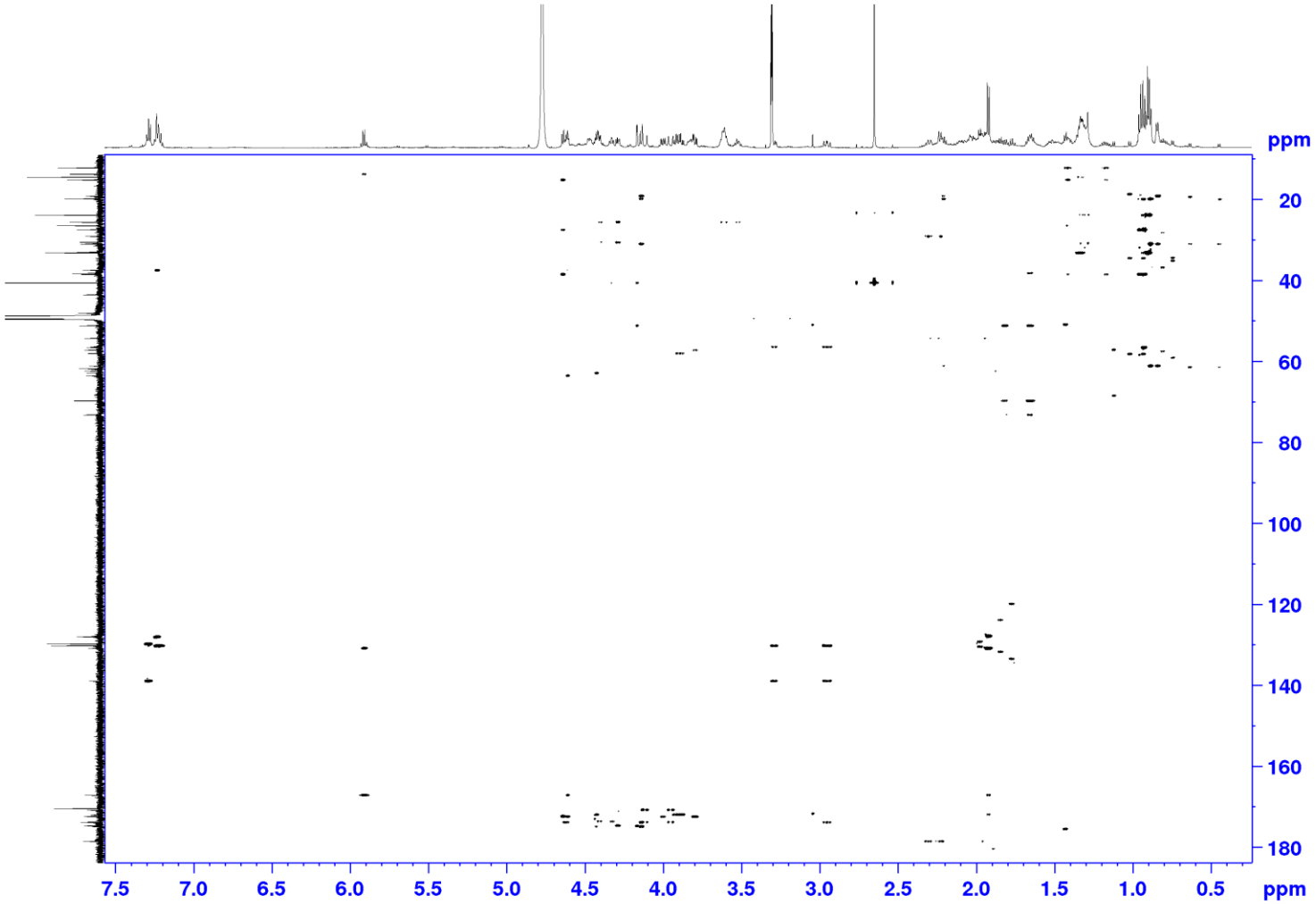

Figure S2g: The J-resolved spectrum of **1** (600.23 MHz for ^{1}H, CD_3OD, 30 °C).

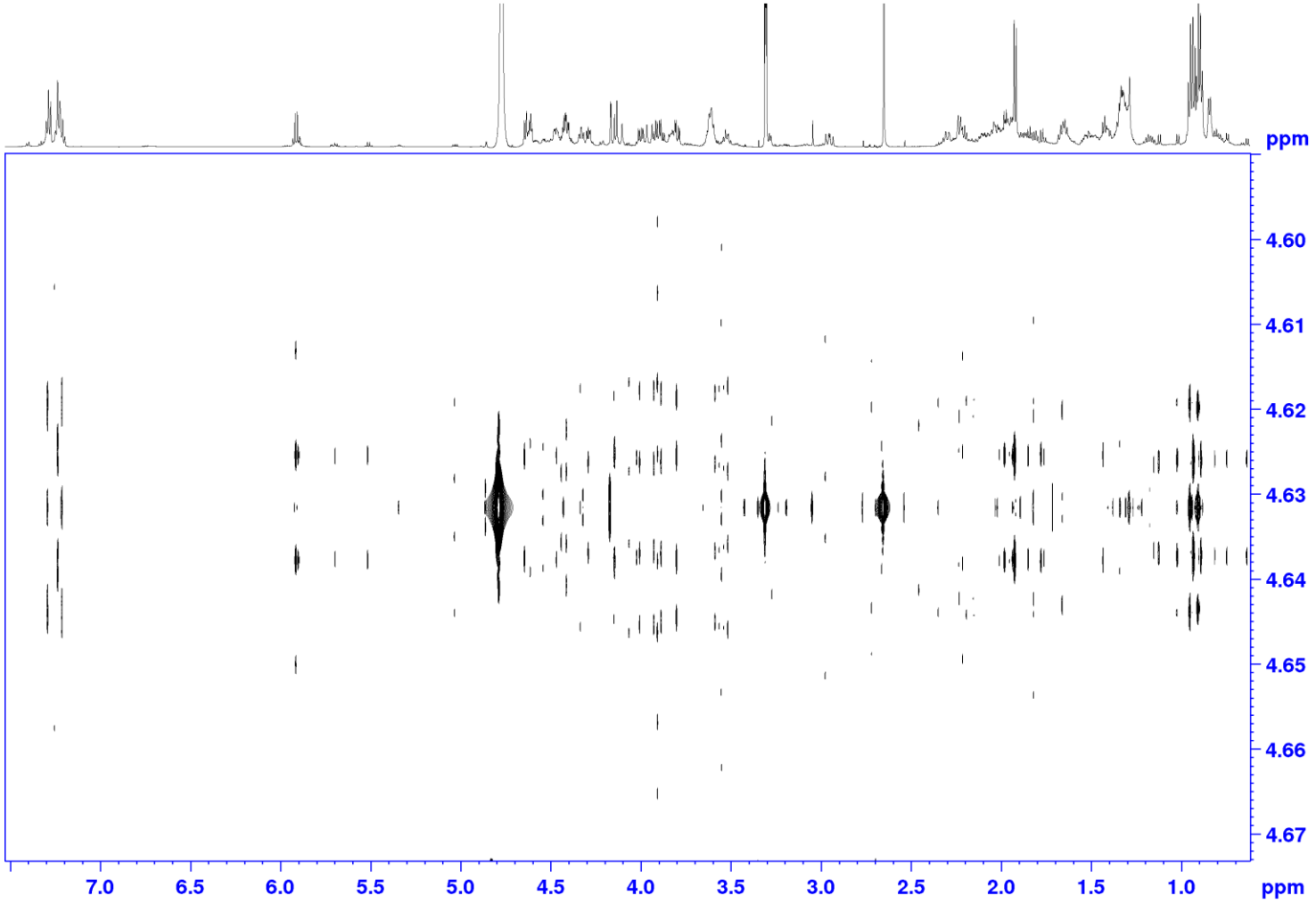

Figure S2h: The ^{1}H-^{13}C HSQC-TOCSY spectrum of **1** (600.23 MHz for 1H, 150.93 MHz for ^{13}C, CD_3OD, 30 °C).

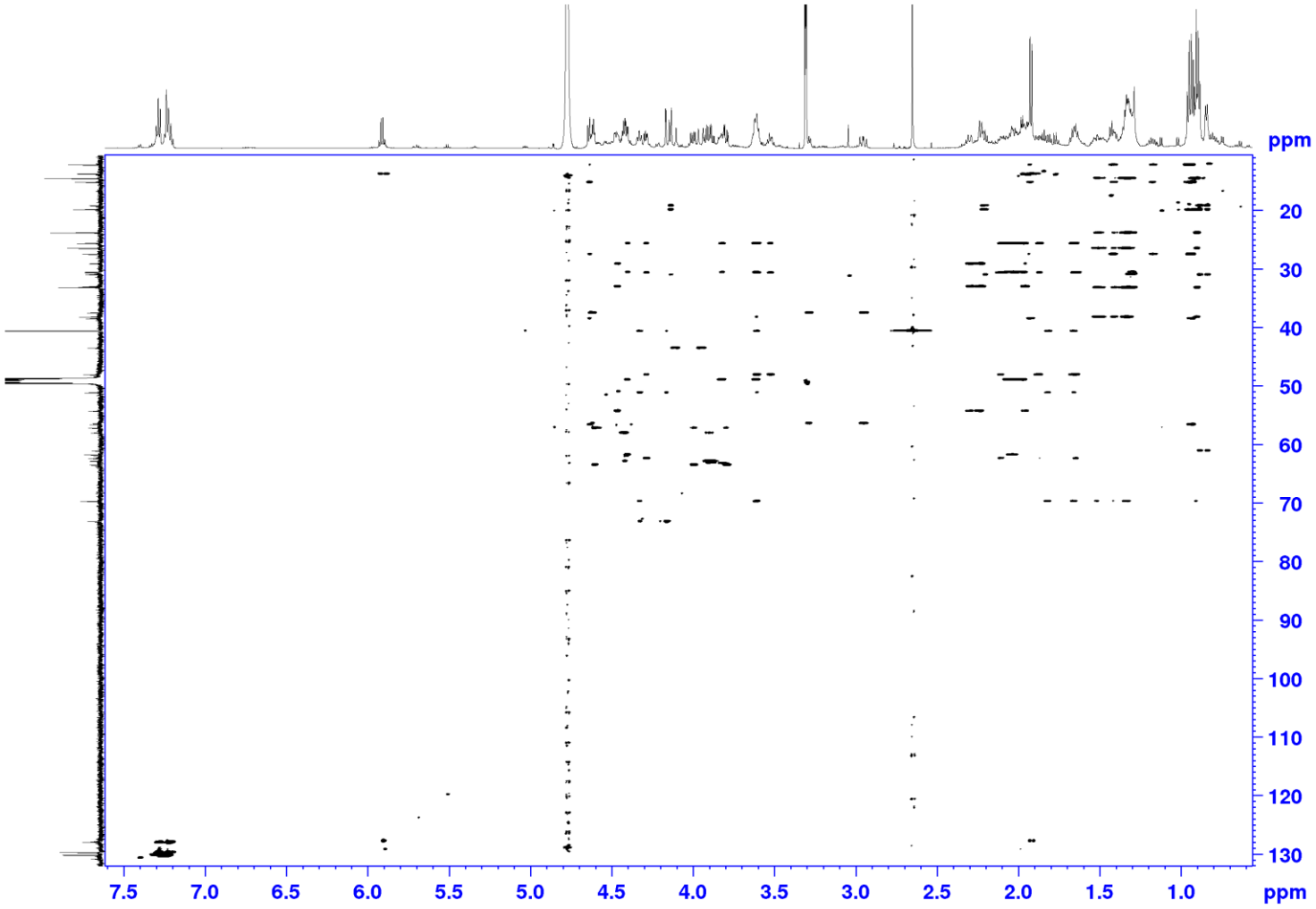

Figure S2i: The ^{1}H-^{13}C HSQC-TOCSY spectrum of **1** (600.23 MHz for 1H, 150.93 MHz for ^{13}C, CD_3OD, 30 °C). Correlations indicating presence of valine residue.