



Supporting Information

for

Synthesis of legonmycins A and B, C(7a)-hydroxylated bacterial pyrrolizidines

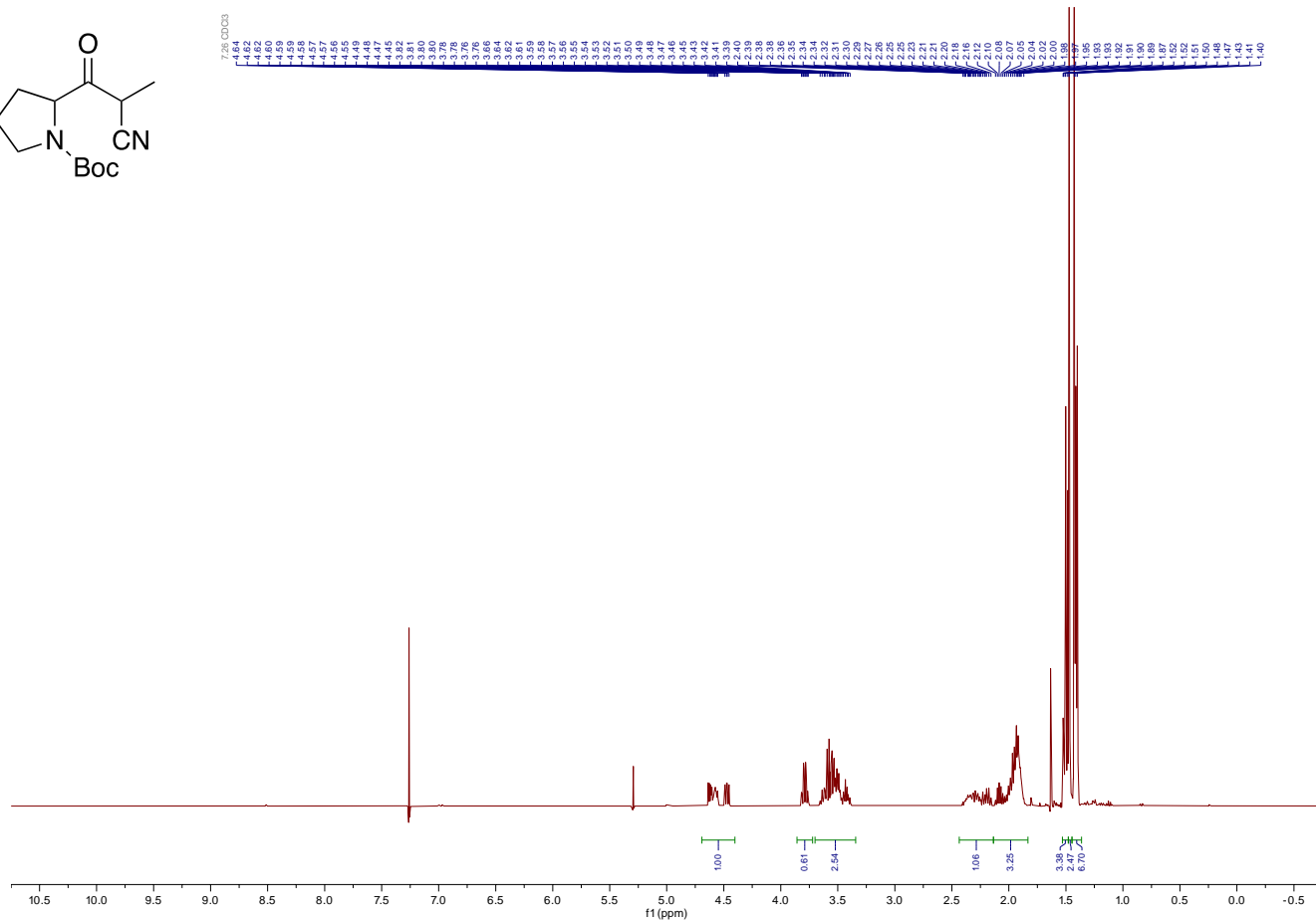
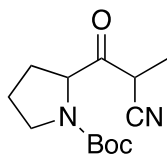
Wilfred J. M. Lewis, David M. Shaw and Jeremy Robertson

Beilstein J. Org. Chem. **2021**, *17*, 334–342. [doi:10.3762/bjoc.17.31](https://doi.org/10.3762/bjoc.17.31)

Copies of the NMR spectra for compounds 16, 17 (crude HCl salt and purified free-base), 22, 3 (legonmycin A), and 4 (legonmycin B)

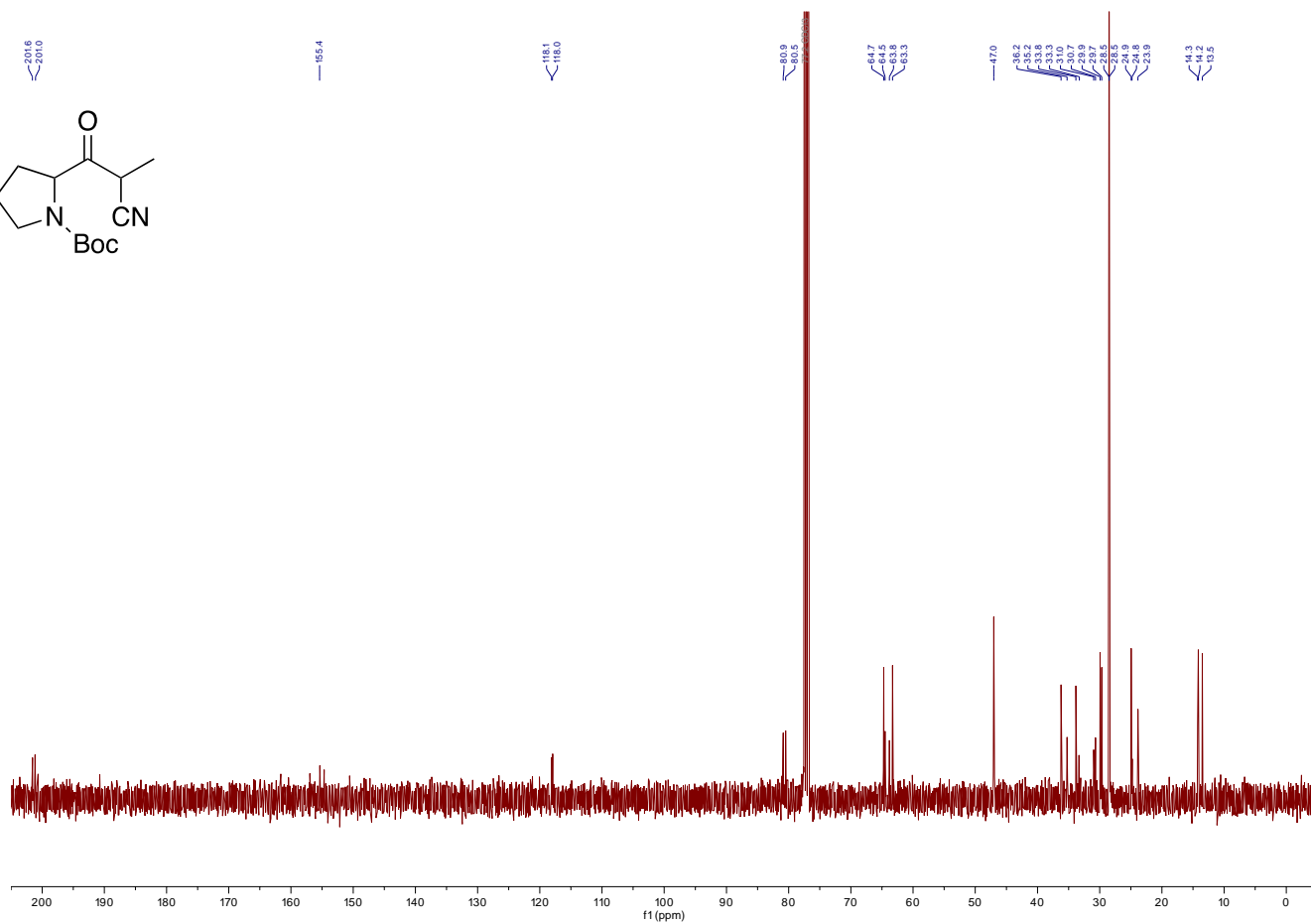
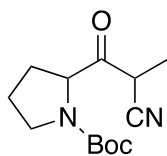
16 ¹H NMR (400 MHz, CDCl₃)

dr ~1:1, each diastereomer ~2:1 ratio of *N*-Boc rotamers



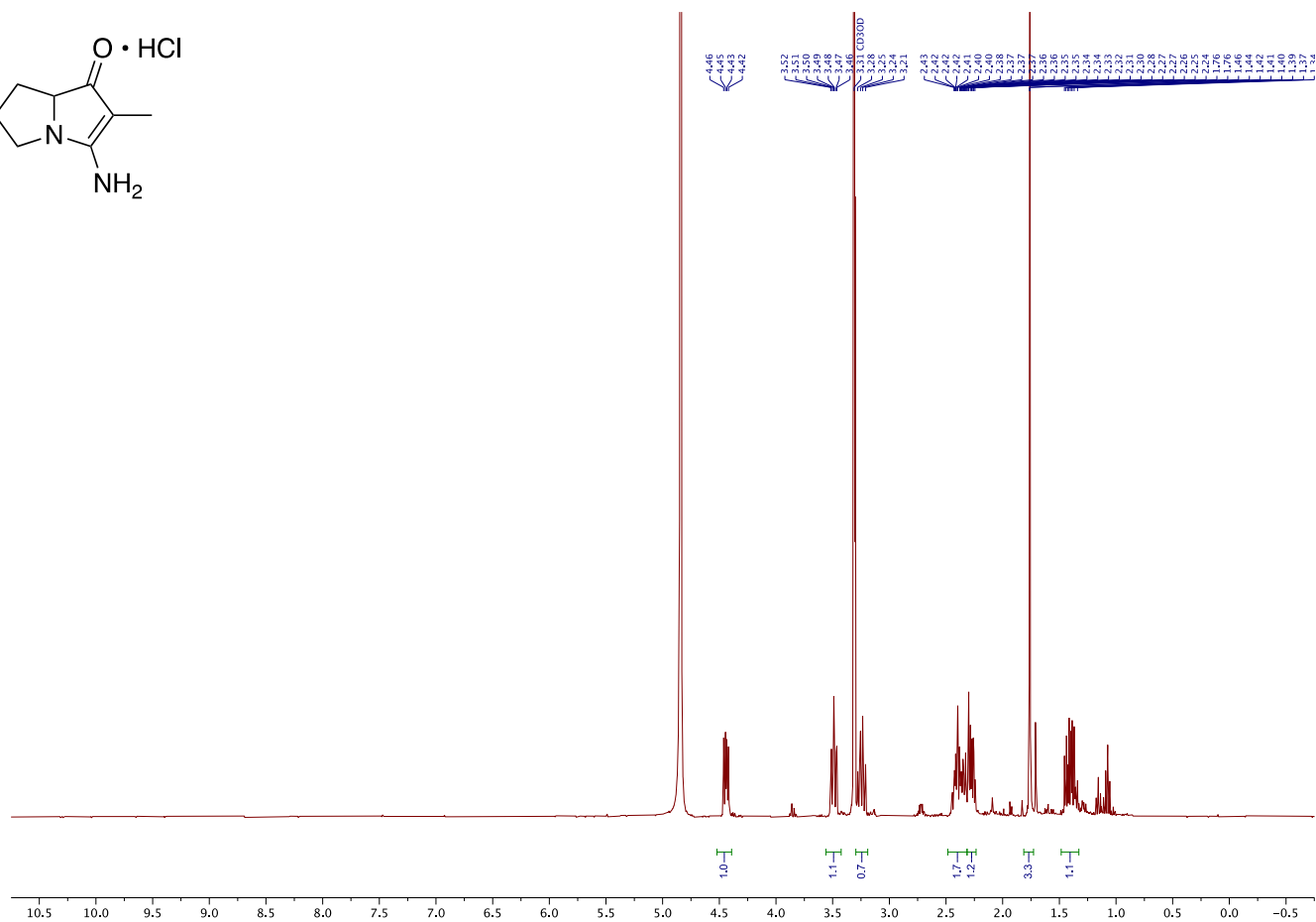
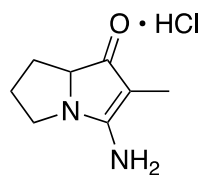
16 ¹³C NMR (100 MHz, CDCl₃)

dr ~1:1, each diastereomer ~2:1 ratio of *N*-Boc rotamers



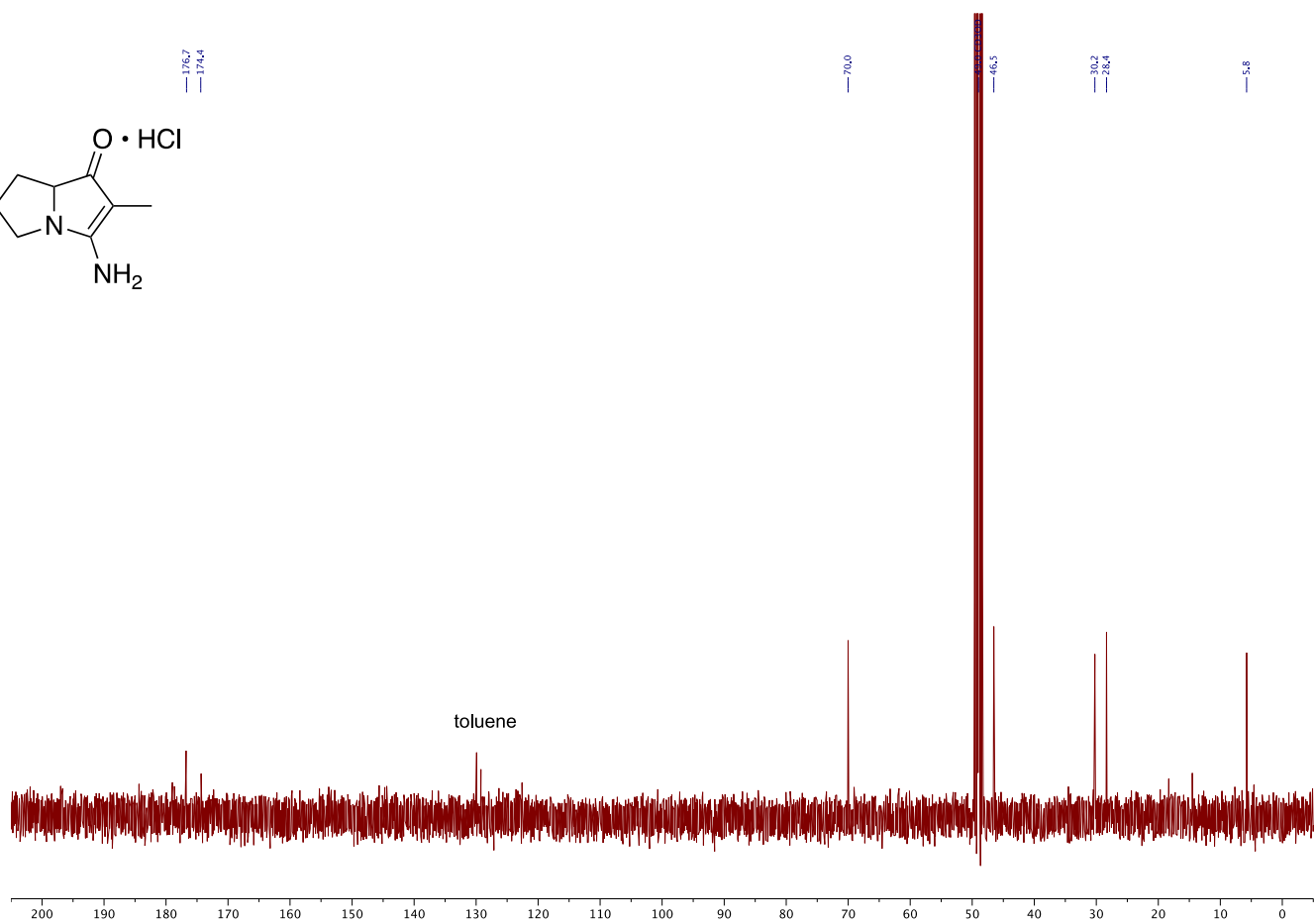
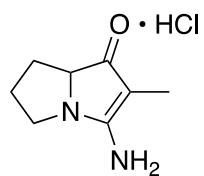
17 ¹H NMR (400 MHz, CD₃OD)

crude, HCl salt



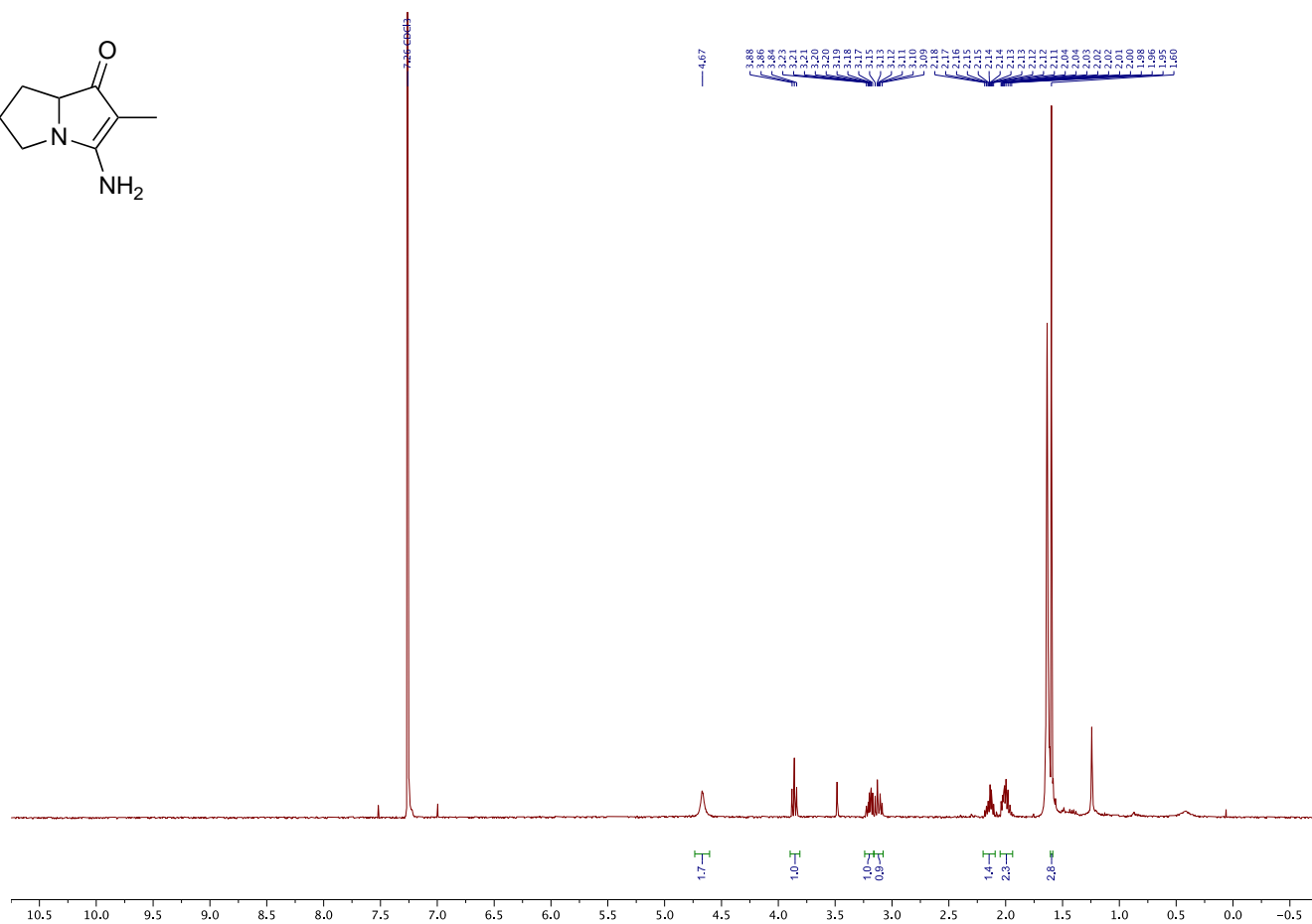
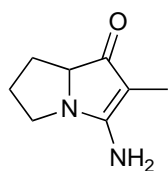
17 ¹³C NMR (100 MHz, CD₃OD)

crude, HCl salt



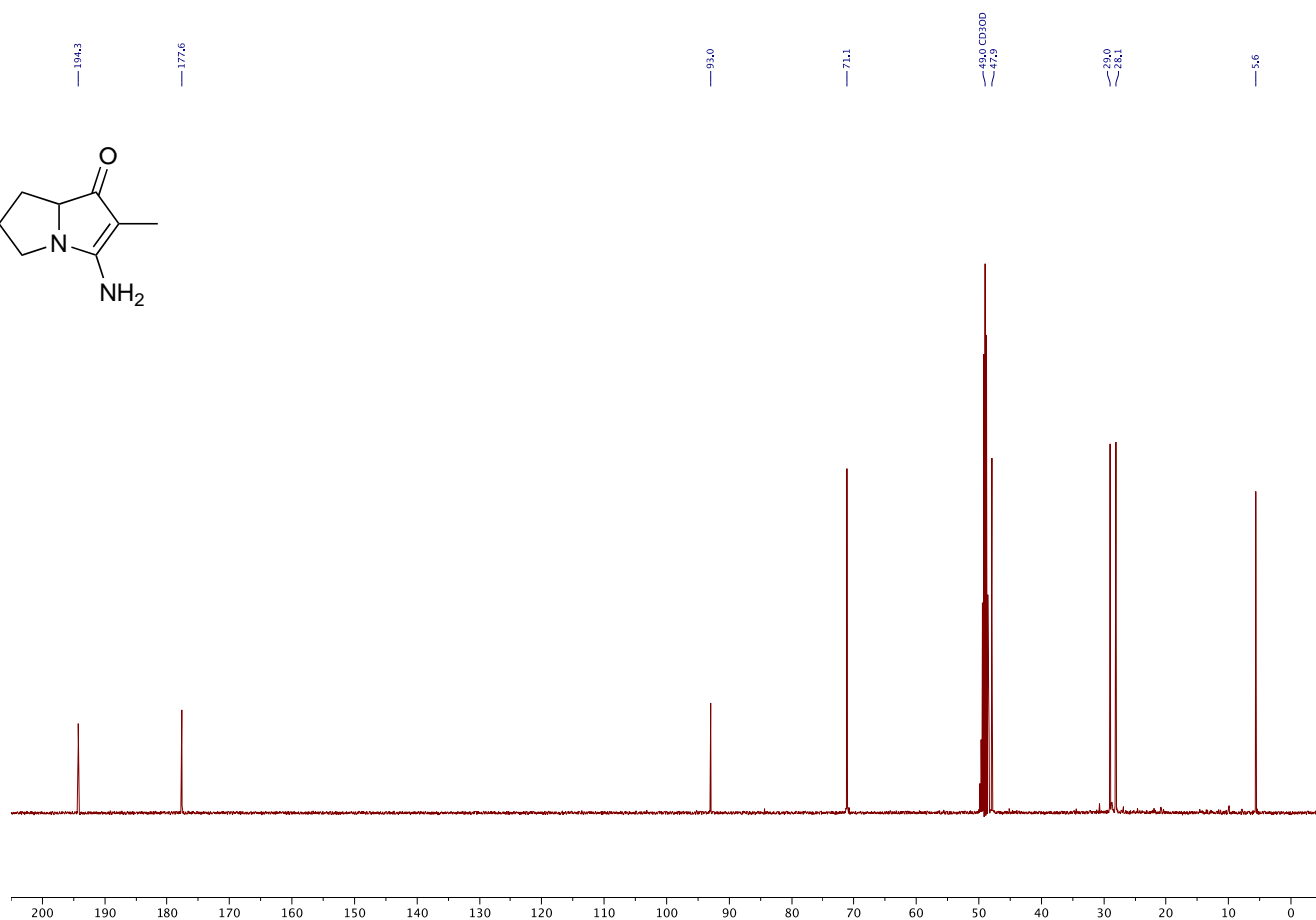
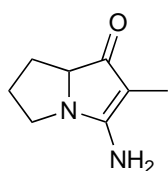
17 ¹H NMR (400 MHz, CDCl₃)

freebase, after chromatography

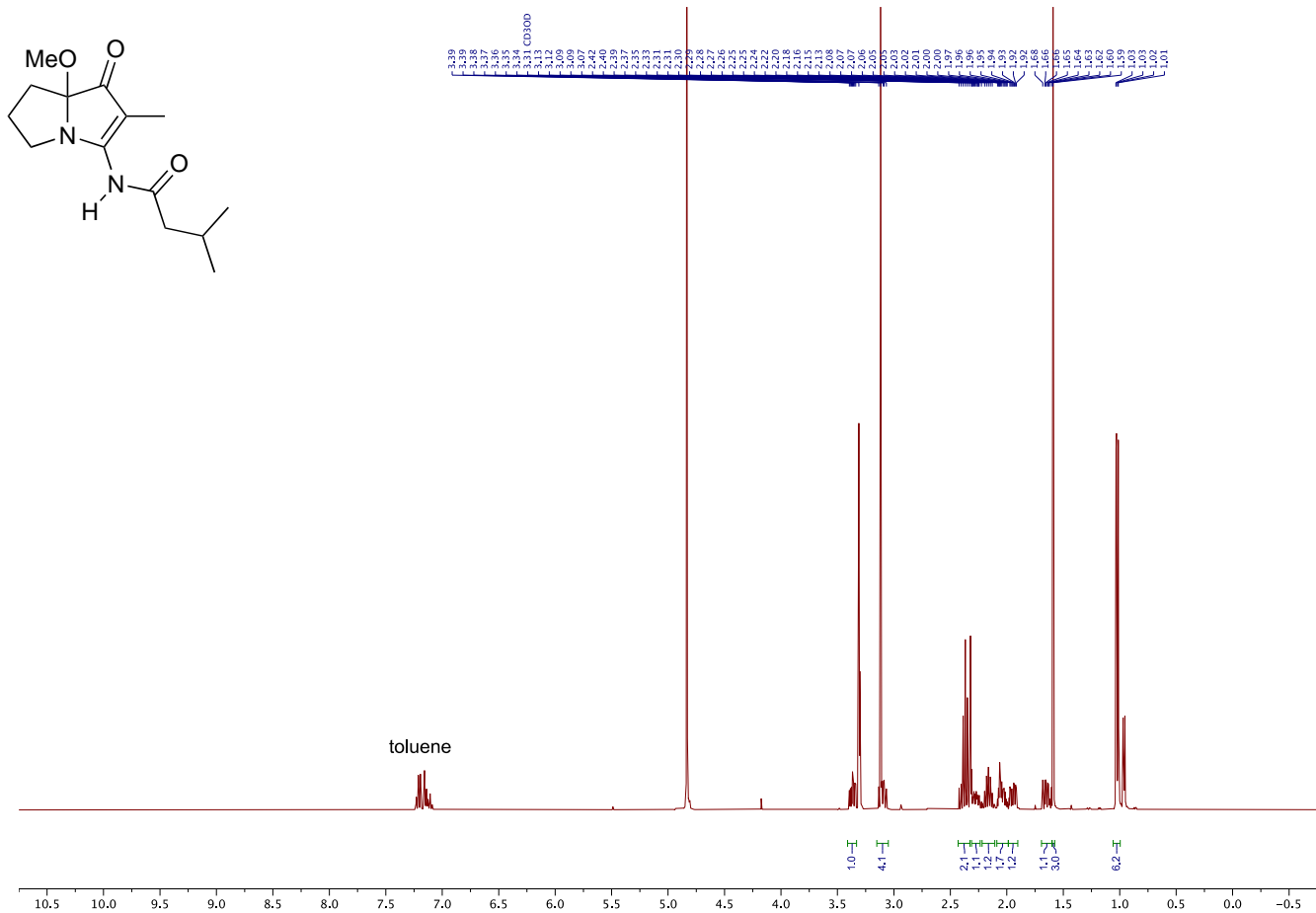


17 ¹³C NMR (100 MHz, CD₃OD)

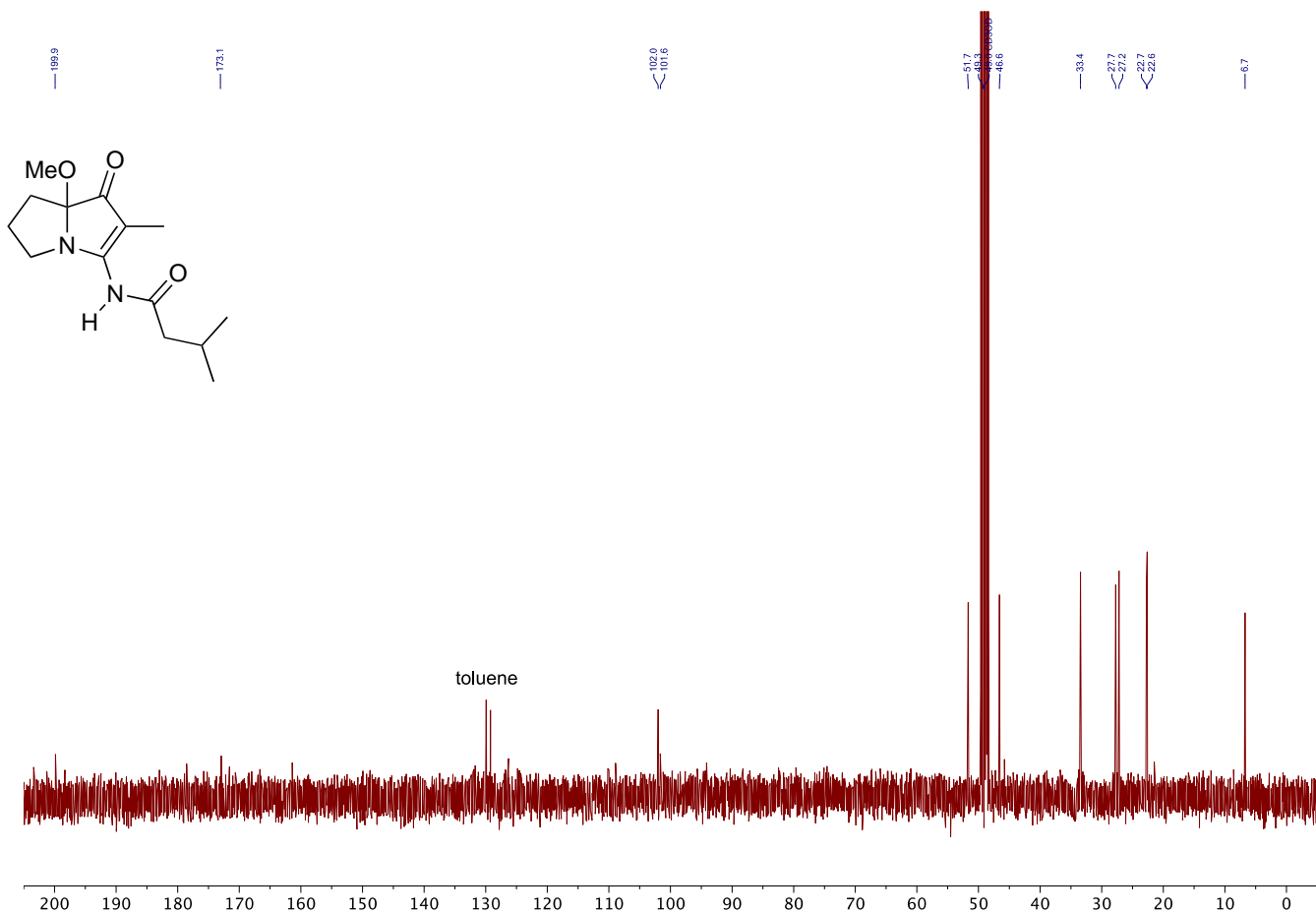
freebase, after chromatography



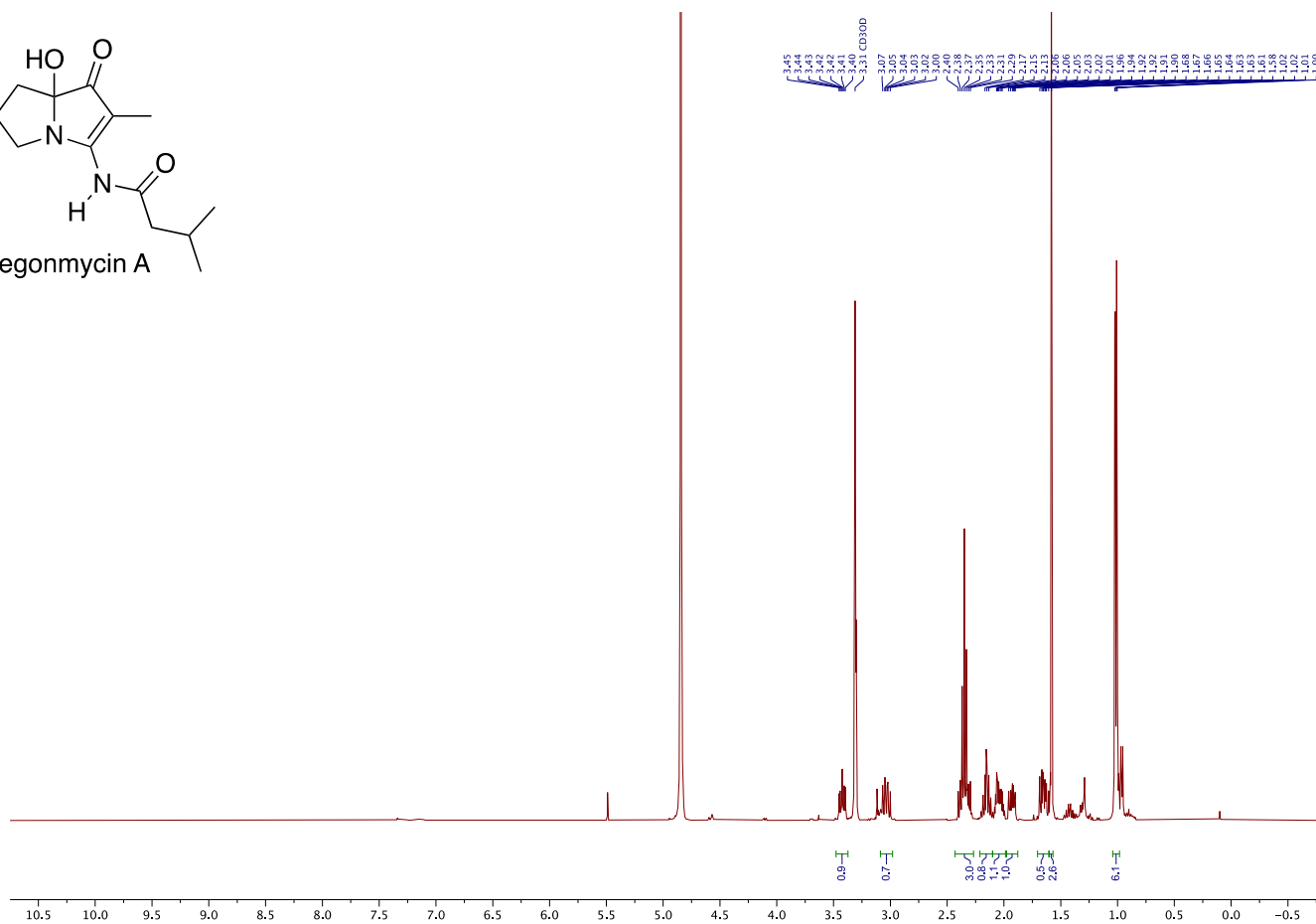
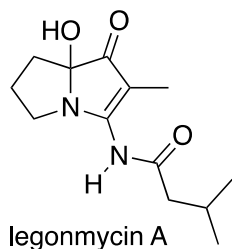
22 ¹H NMR (400 MHz, CD₃OD)



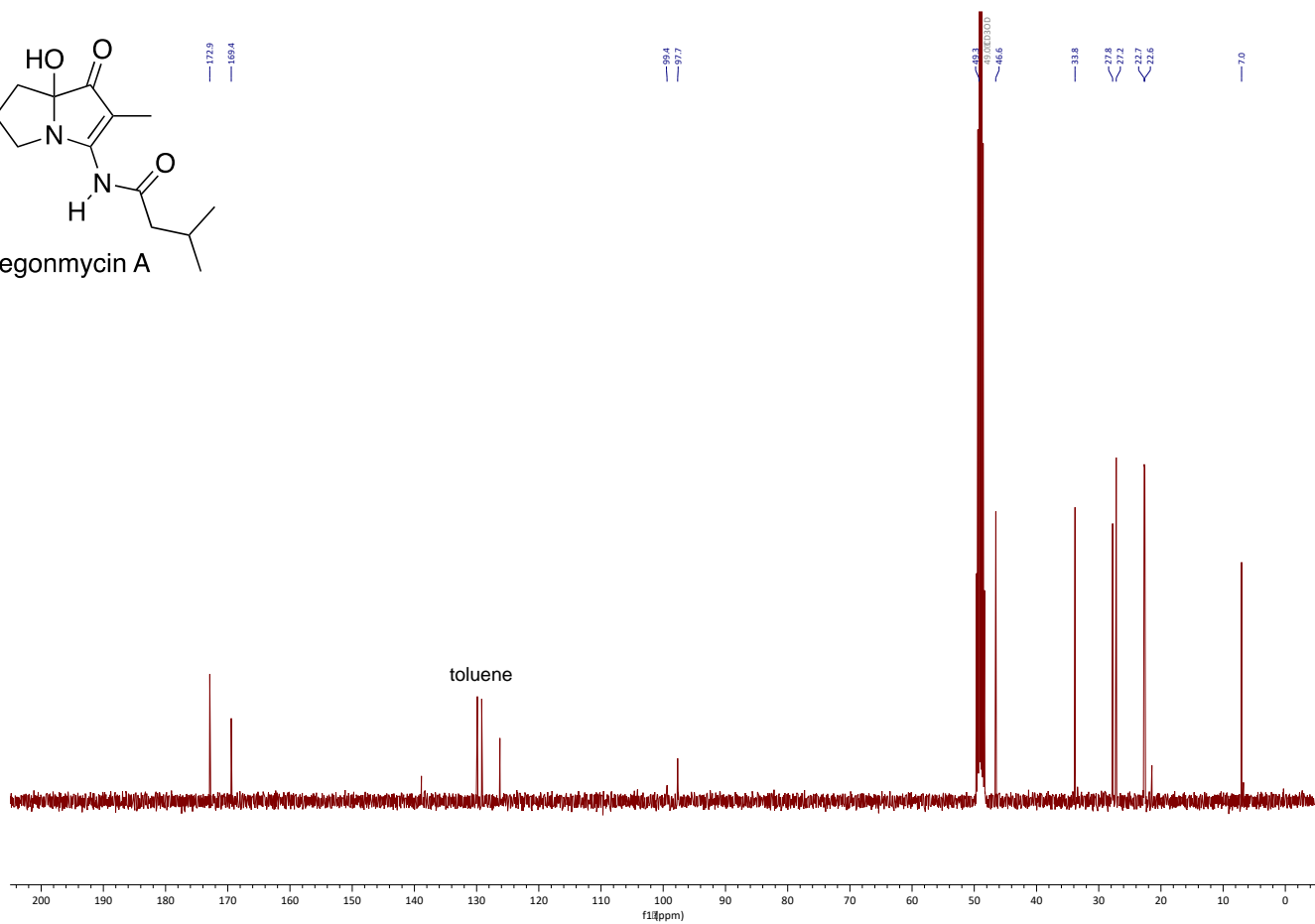
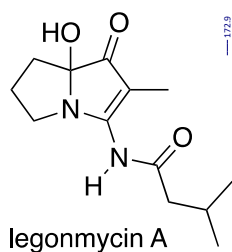
22 ¹³C NMR, 100 MHz, CD₃OD)



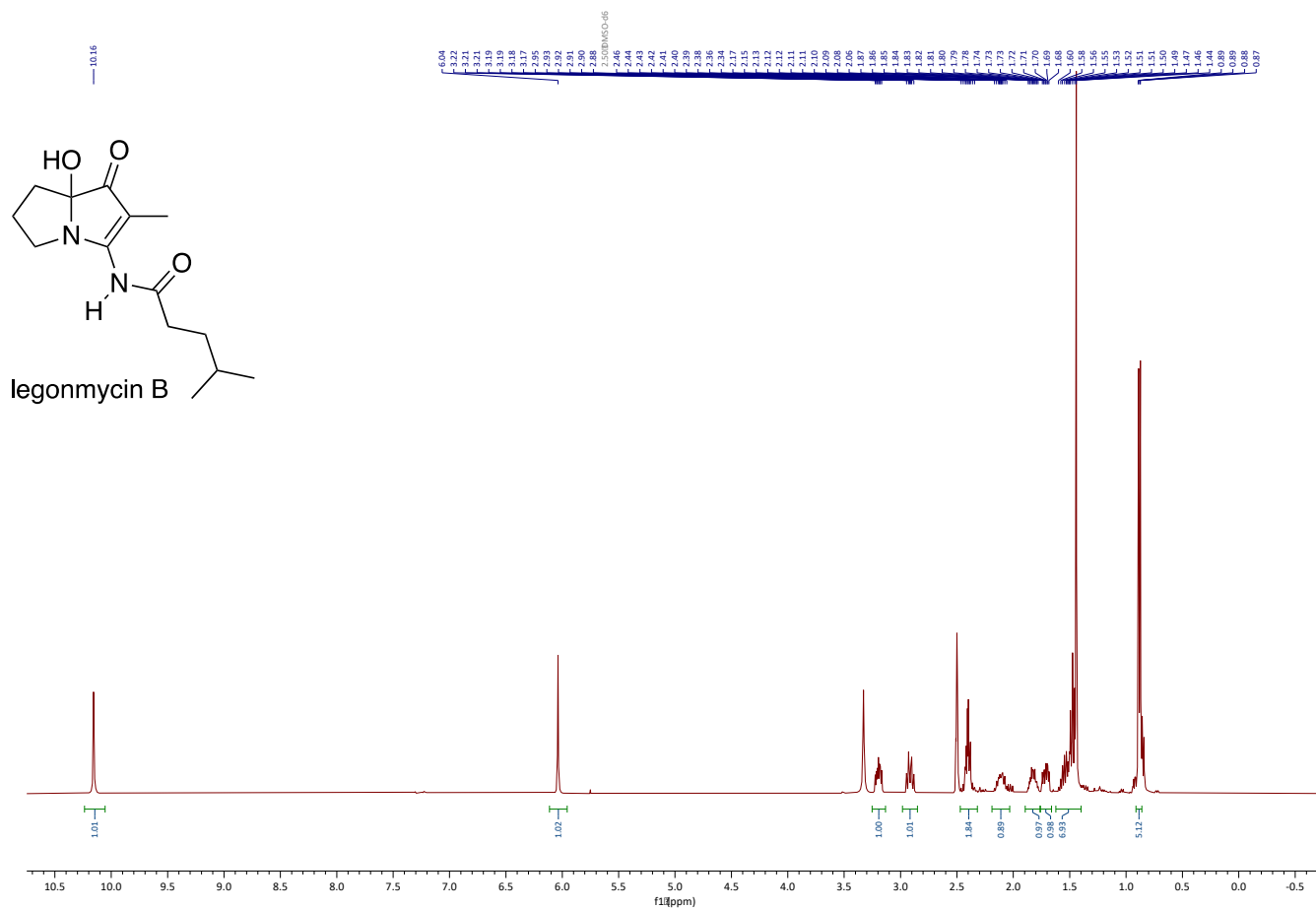
3 ¹H NMR (400 MHz, CD₃OD)



3 ¹³C NMR (100 MHz, CD₃OD) contains ~10 wt% toluene



4 ¹H NMR (400 MHz, DMSO-d₆)



4 ¹³C NMR (100 MHz, DMSO-d₆)

