

**A novel synthesis of 2-alkyl(aryl)pyrrolidines from proline
via 2,3-diphenylhexahydropyrrolo[2,1-*b*]oxazoles**

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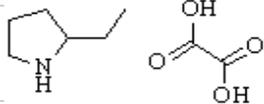
*Table S1 Cleavage of aminoalcohols 2 and 2' (R = Et)
NMR spectra of pyrrolidines 3a–e*

*S1
S2–S6*

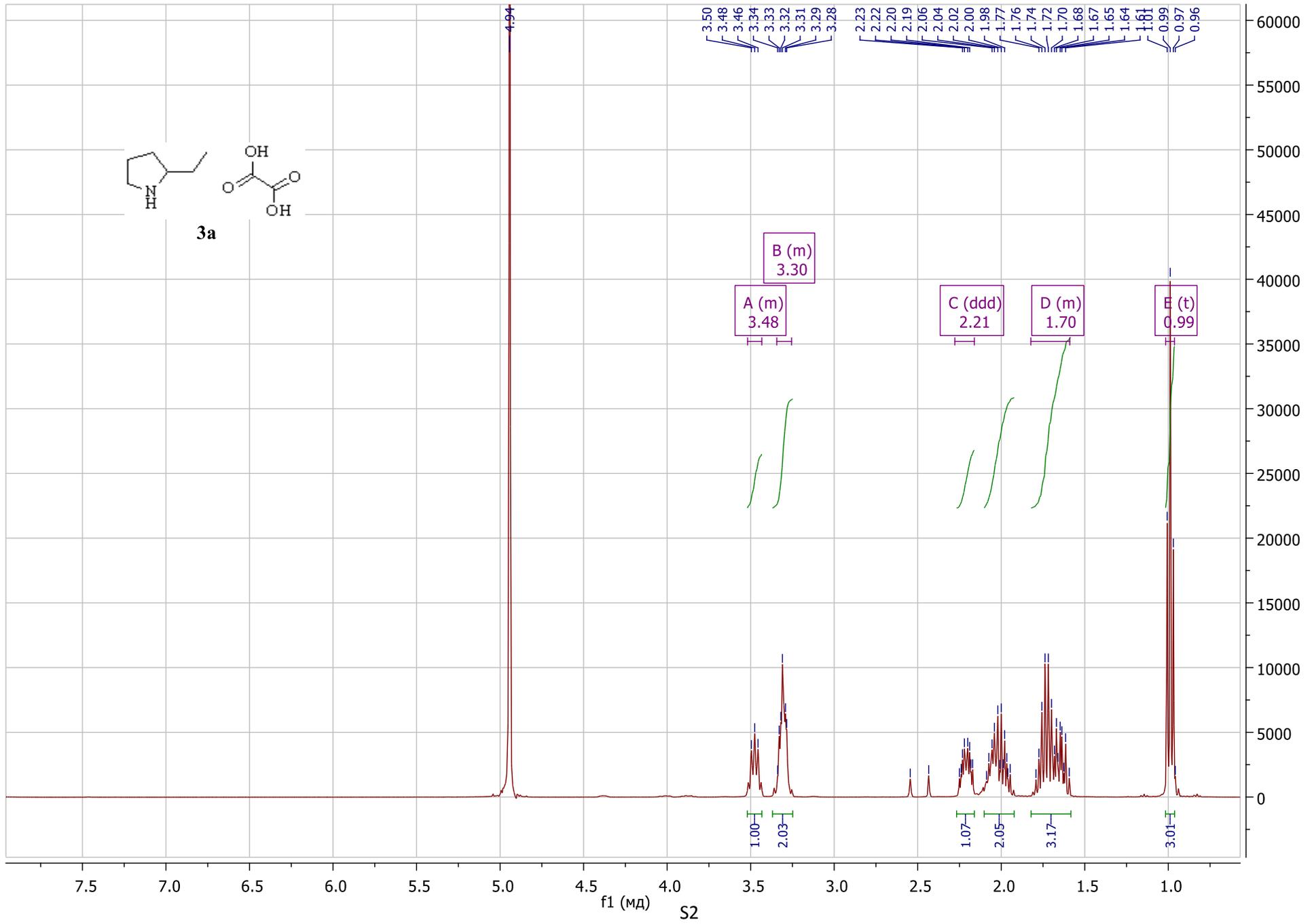
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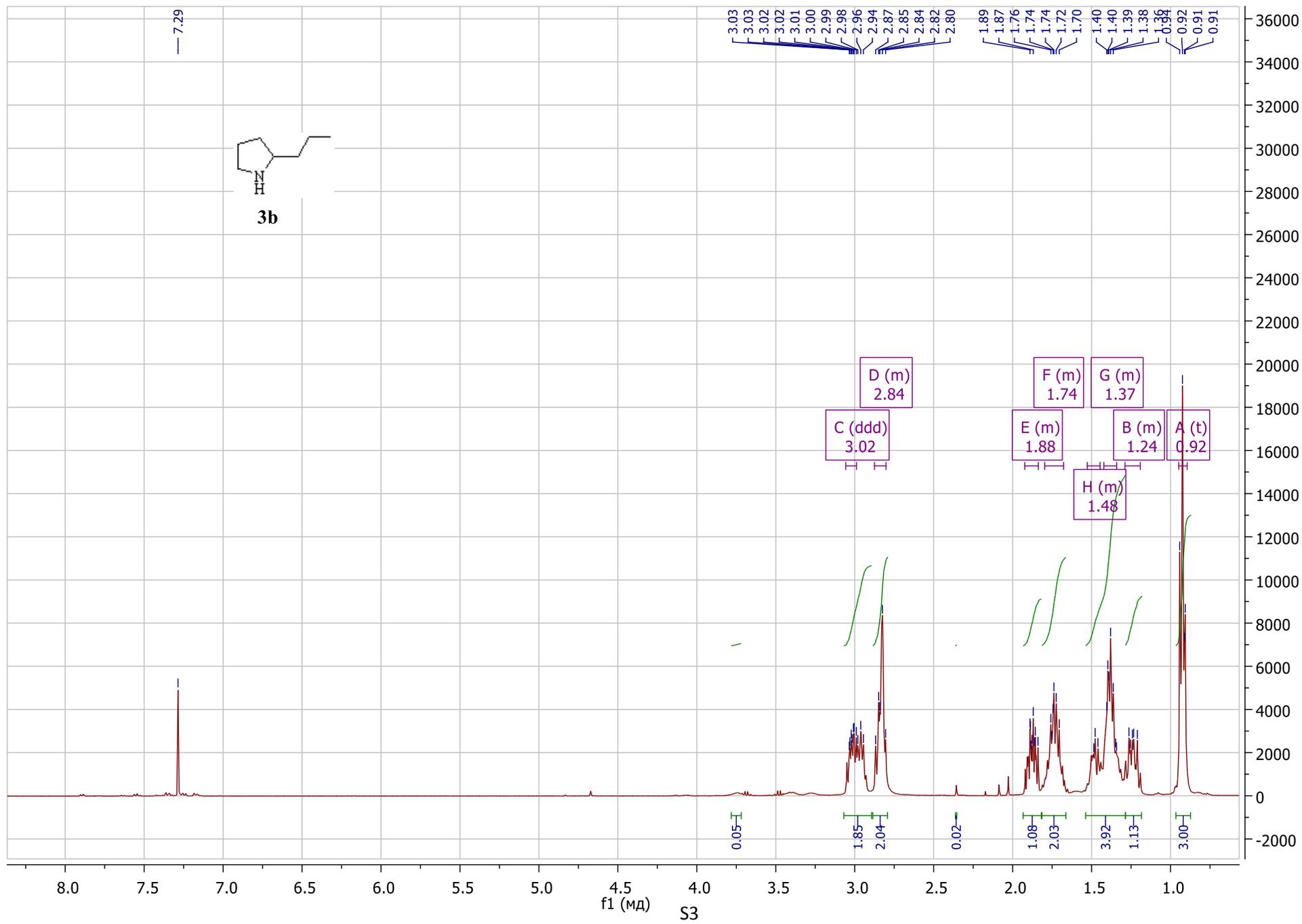
Entry	Conditions	Yield (%)
1	H ₂ SO ₄ (50%), 110 °C, 1 h	0
2	H ₂ SO ₄ (75%), 150 °C, 3 h	traces
3	K ₂ Cr ₂ O ₇ , then H ₂ SO ₄ (75%), 170 °C, 8 h	0
4	(NH ₄) ₂ Ce(NO ₃) ₆ (2.05 equiv.), RT	5
5	Pb(OAc) ₄ (1.35 equiv.), AcOH, RT→80 °C	traces
6	Pb(OAc) ₄ (1.35 equiv.), CH ₂ Cl ₂ , RT	35
7	Pb(OAc) ₄ (1.35 equiv.), PhMe, RT	36
8	Pb(OAc) ₄ (1.35 equiv.), PhMe, 0–5 °C	39

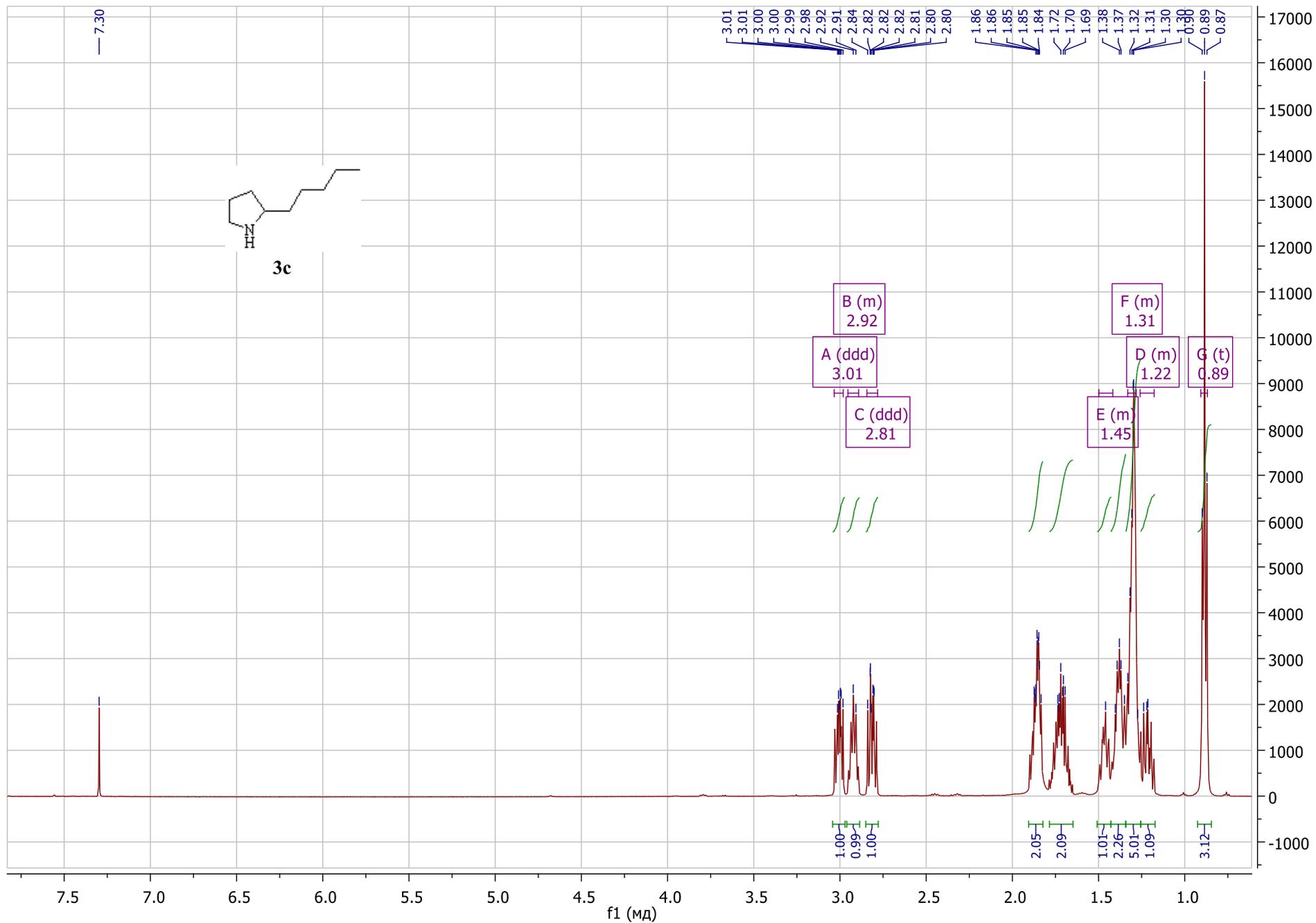
NMR spectra were recorded on Bruker DRX-400 (¹H – 400 MHz and ¹³C – 101 MHz) and Bruker Avance III-500 (¹H – 500 MHz and ¹³C – 126 MHz) spectrometers in CDCl₃ or D₂O with TMS as an internal standard.



3a







S4

