

The effect of acyl chain length and branching on the enantioselectivity of *Candida rugosa* lipase in the kinetic resolution of 4-(2-difluoromethoxyphenyl) substituted 1,4-dihydropyridine 3,5-diester

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Supporting information

Figure S1. ¹H-NMR of compound **1**.

Figure S2. ¹³C-NMR of compound **1**.

Figure S3. ¹H-NMR of compound **4a**.

Figure S4. ¹³C-NMR of compound **4a**.

Figure S5. ¹H-NMR of compound **4b**.

Figure S6. ¹³C-NMR of compound **4b**.

Figure S7. ¹H-NMR of compound **5a**.

Figure S8. ¹H-NMR of compound **5b**.

Figure S9. ¹³C-NMR of compound **5b**.

Figure S10. ¹H-NMR of compound **6a**.

Figure S11. ¹³C-NMR of compound **6a**.

Figure S12. ¹H-NMR of compound **6b**.

Figure S13. ¹³C-NMR of compound **6b**.

Figure S14. ^1H -NMR of compound **6c**.

Figure S15. ^{13}C -NMR of compound **6c**.

Figure S16. ^1H -NMR of compound **6d**.

Figure S17. ^{13}C -NMR of compound **6d**.

Figure S18. ^1H -NMR of compound **6e**.

Figure S19. ^{13}C -NMR of compound **6e**.

Figure S20. ^1H -NMR of compound **6f**.

Figure S21. ^{13}C -NMR of compound **6f**.

Figure S22. ^1H -NMR of compound **6g**.

Figure S23. ^{13}C -NMR of compound **6g**.

Figure S24. ^1H -NMR of compound (+)-(*R,R*)-**7**.

Figure S25. ^{13}C -NMR of compound (+)-(*R,R*)-**7**.

Figure S26. ^1H -NMR of compound (—)-(*R,S*)-**7**.

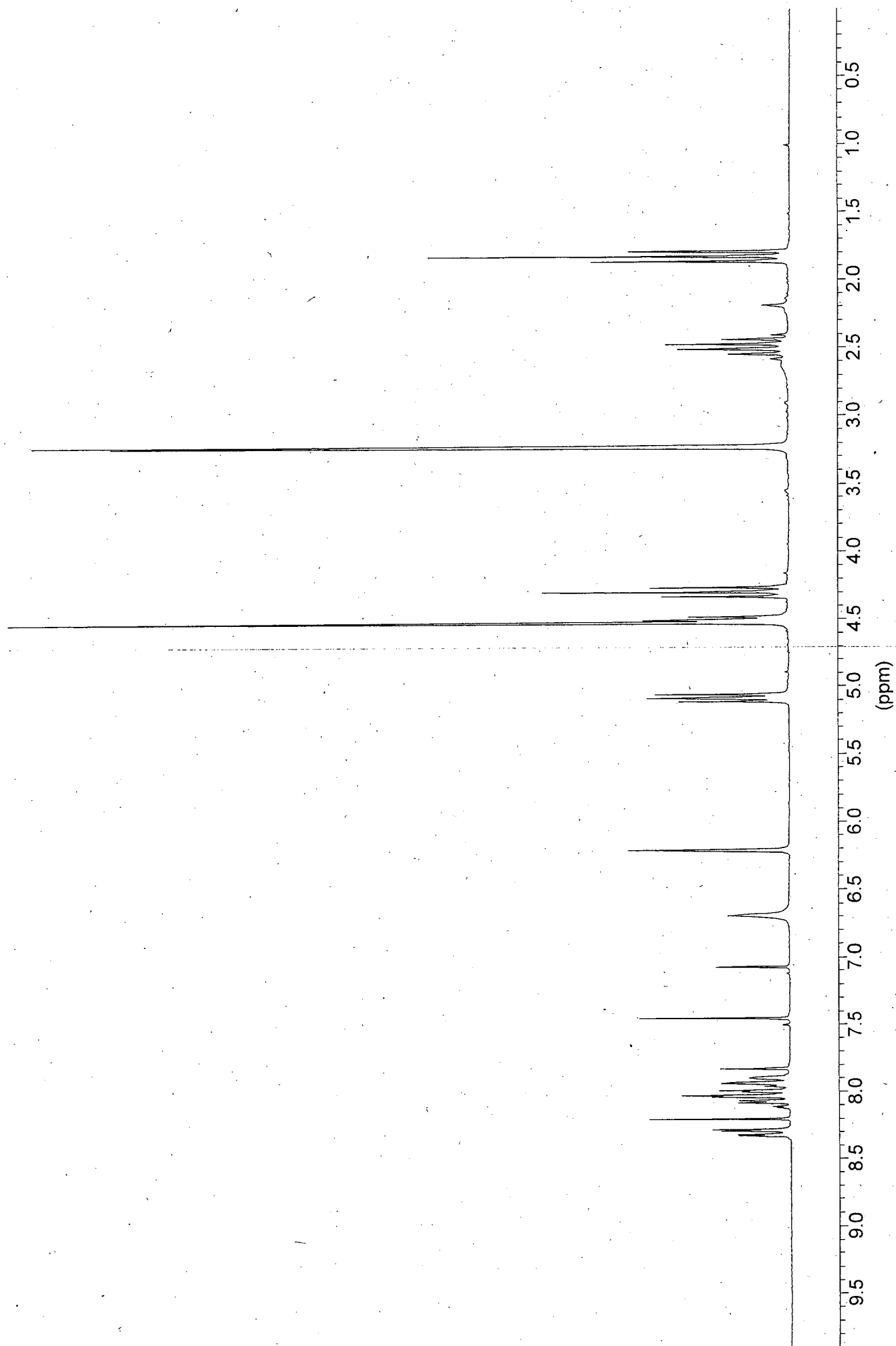
Figure S27. ^{13}C -NMR of compound (—)-(*R,S*)-**7**.

Figure S28. ORTEP(PLATON) plot of (+)-(*R,S*)-**7**, drawn at 50% probability level.

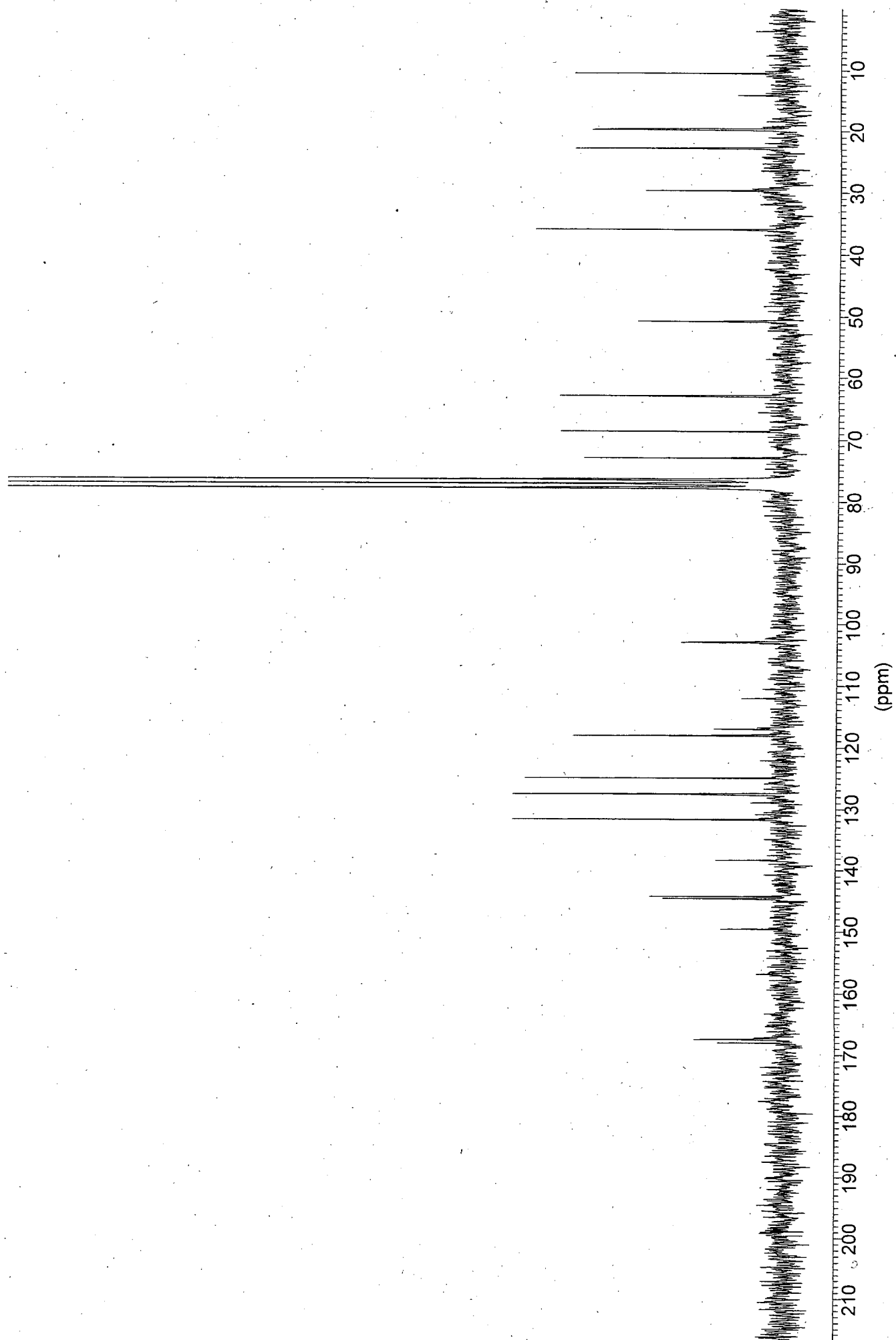
Hydrogen atoms, except those involved in hydrogen bonding, are omitted for clarity.

Figure S29. Crystal lattice structure of (+)-(*R,S*)-**7**.

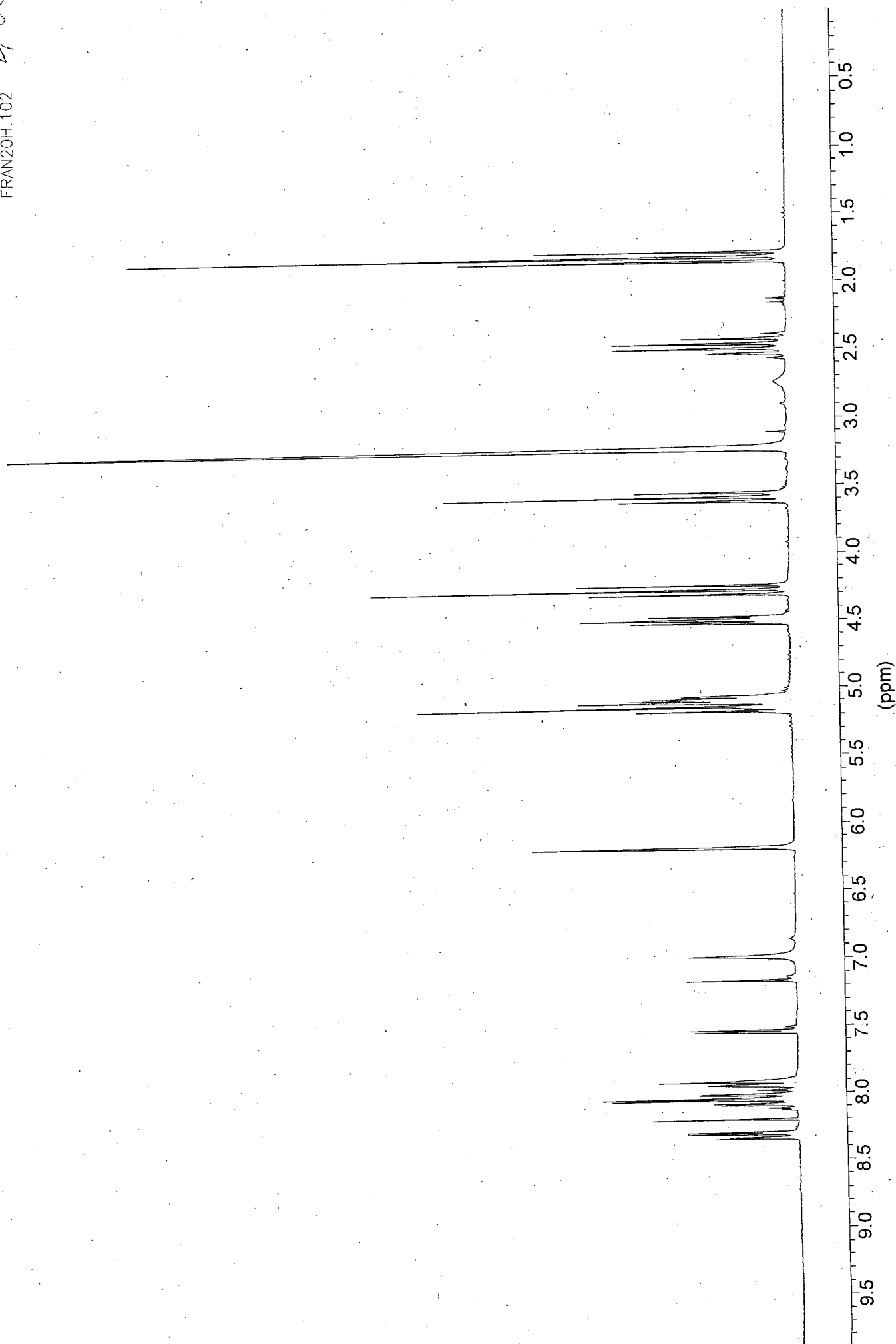
CDM-11
JEE-11-11-11
FRAN97H.183



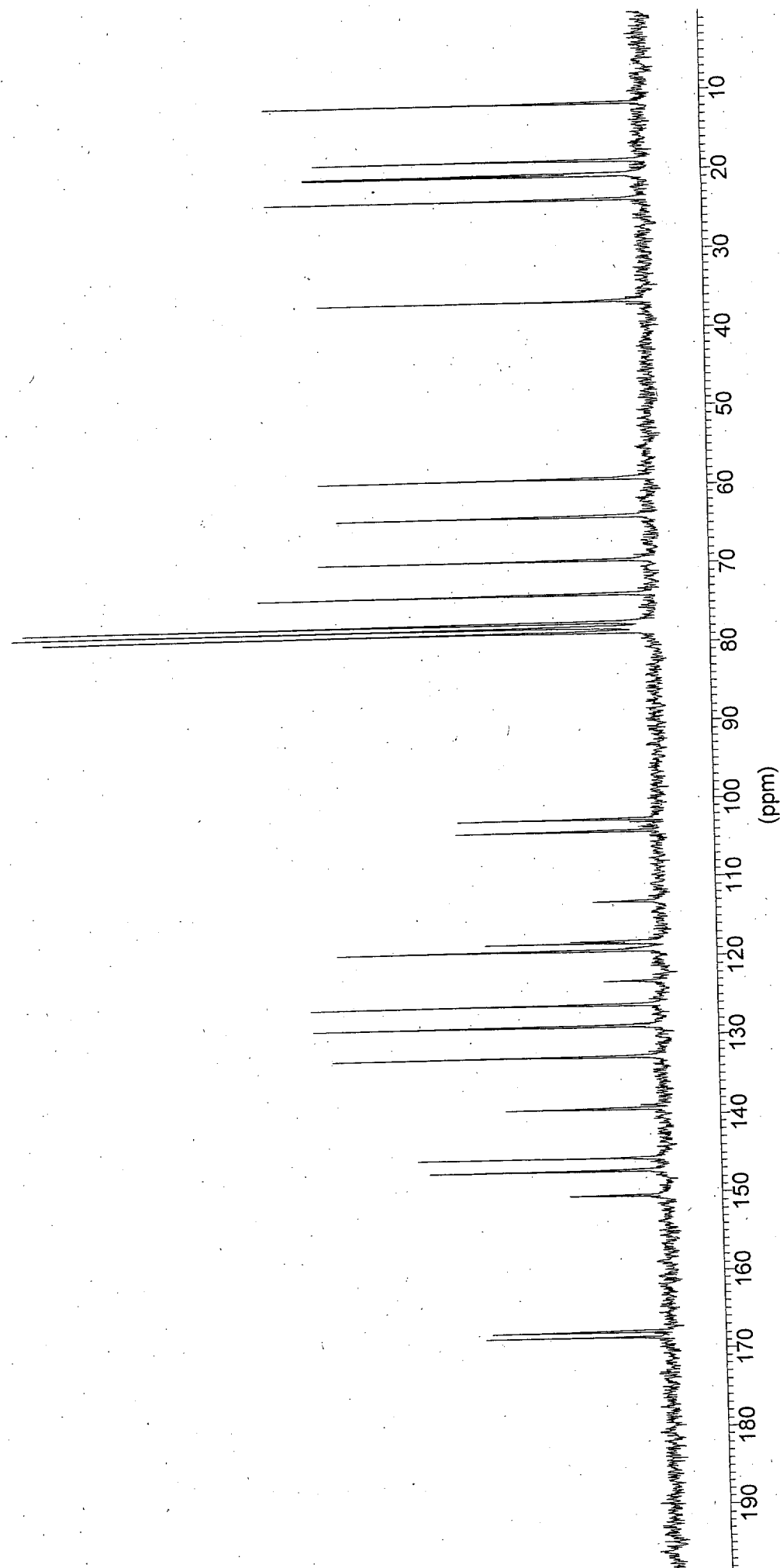
FRAN97C.Y43*



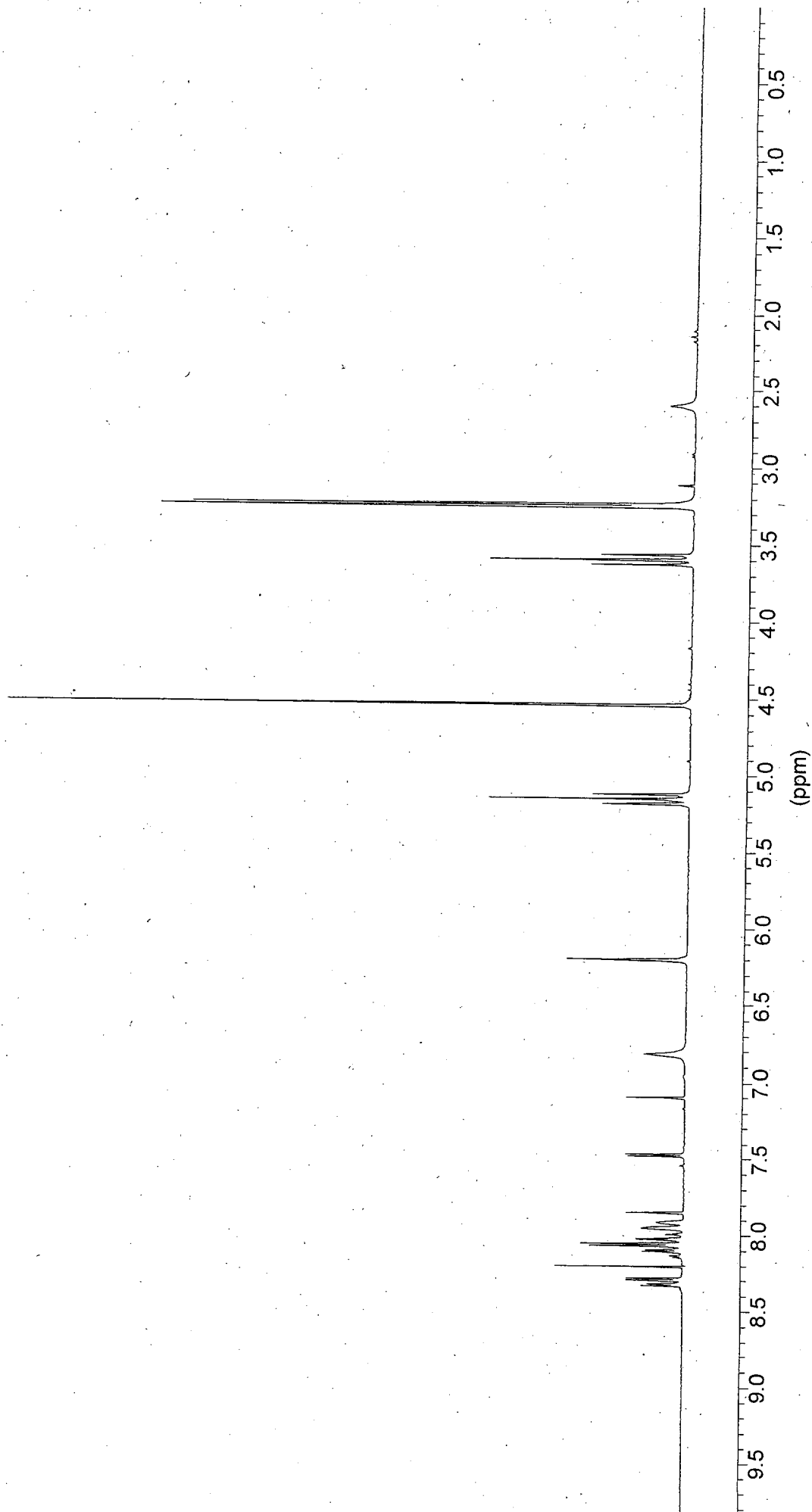
WZL-chem
4d
FRAN20H.102



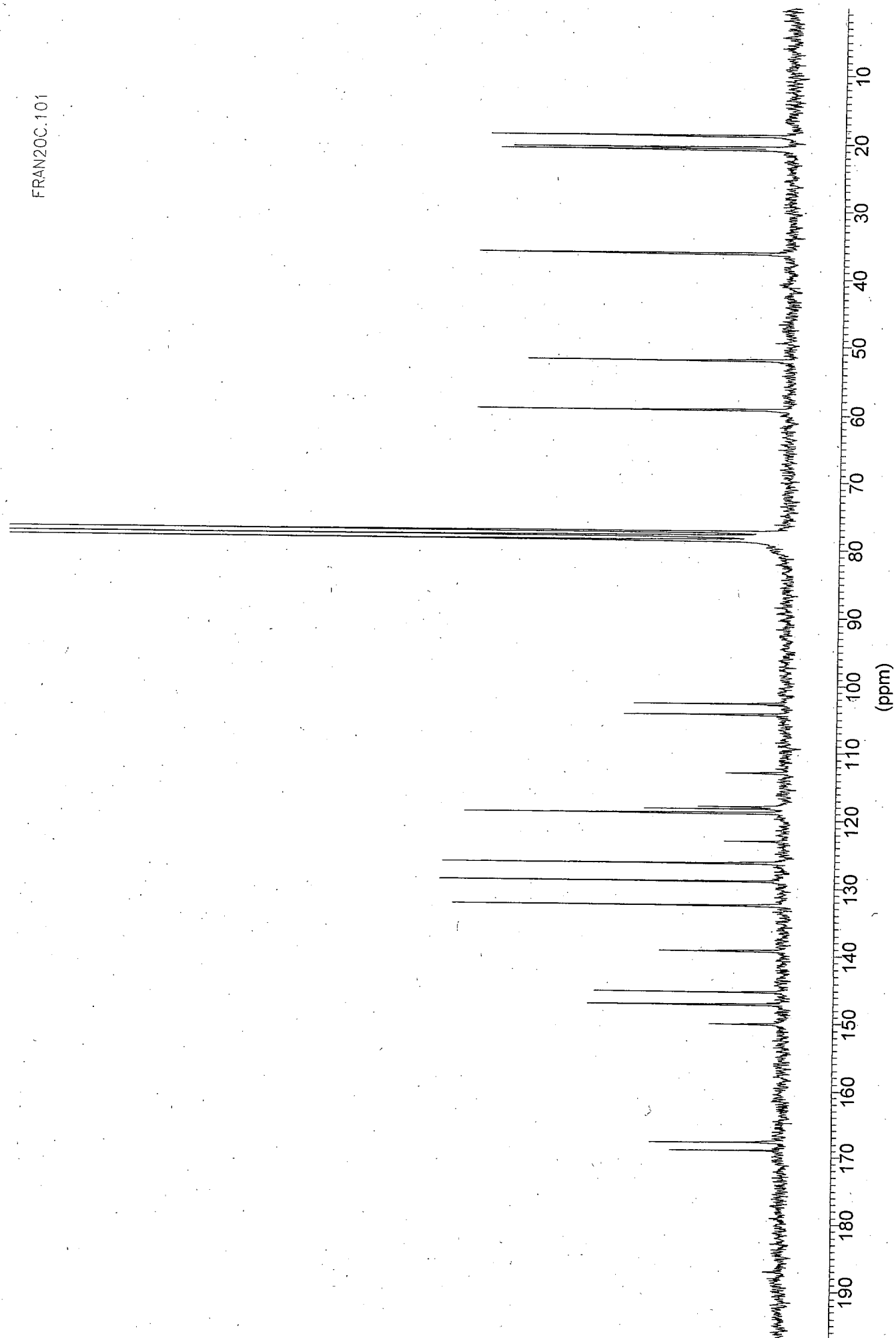
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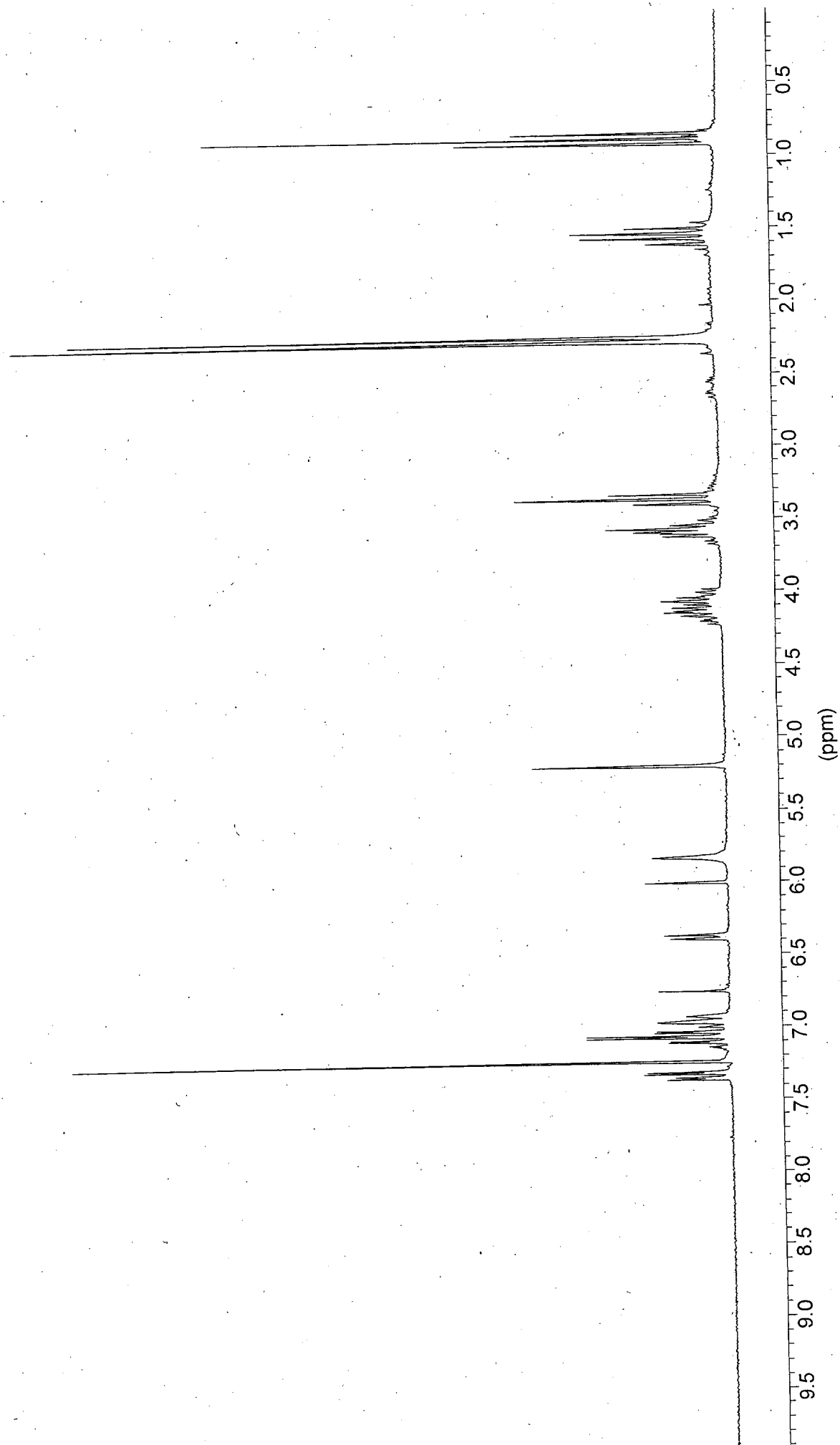
FR1W 241.10d
4/b
16. Ro CM



FRAN20C.101

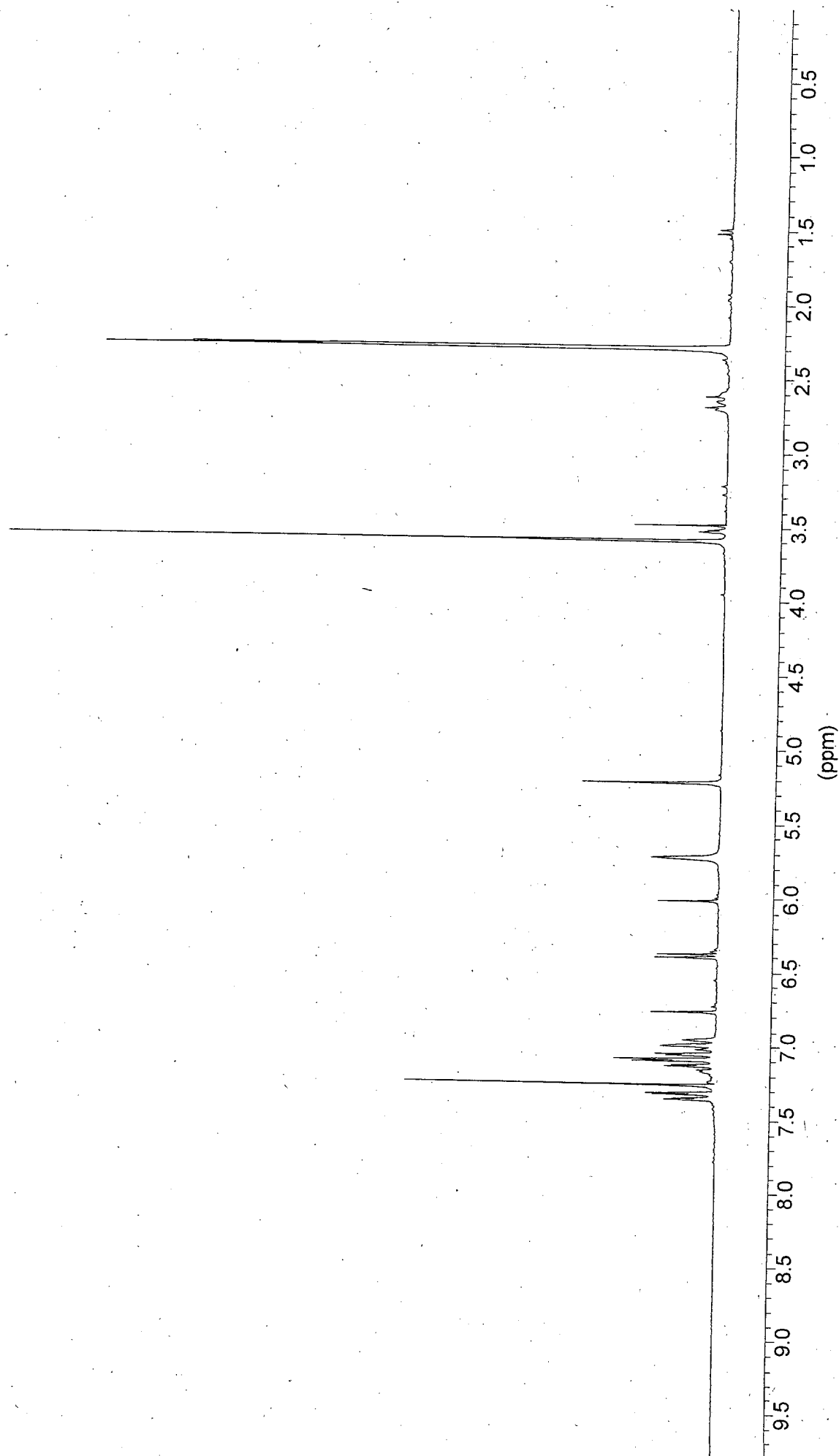


FRAN01H.023



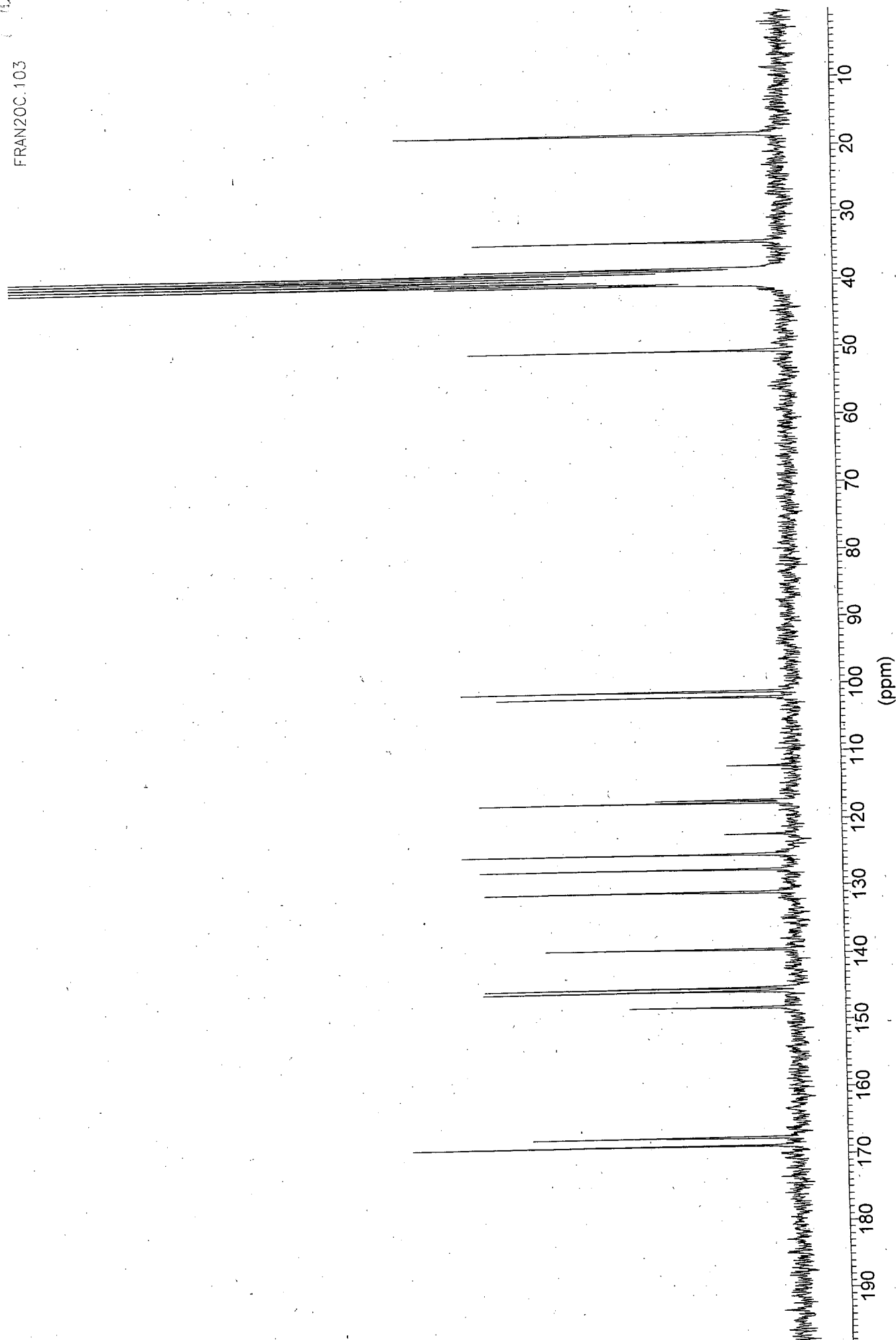
See Fig. 0001
56

FRAN97H.164



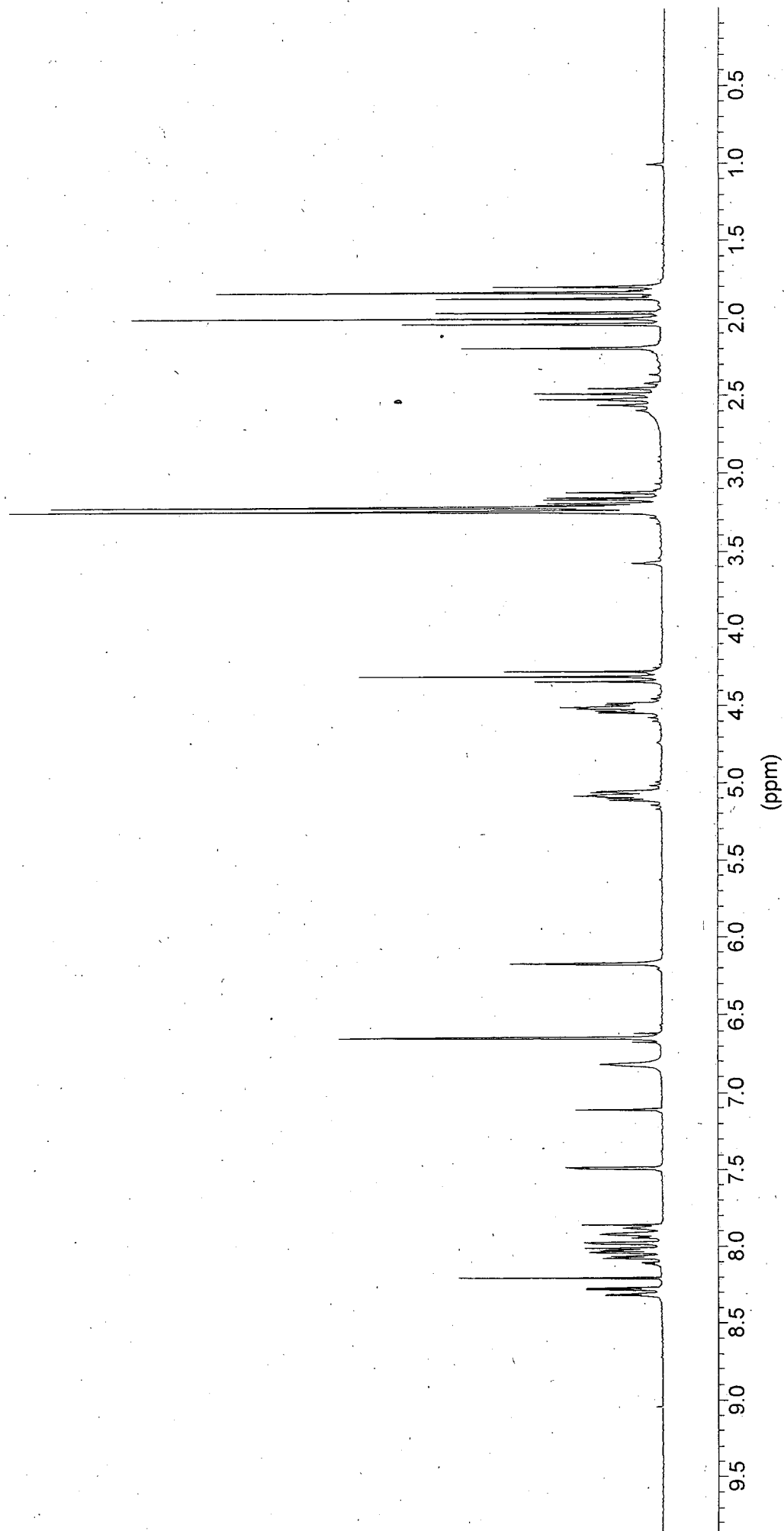
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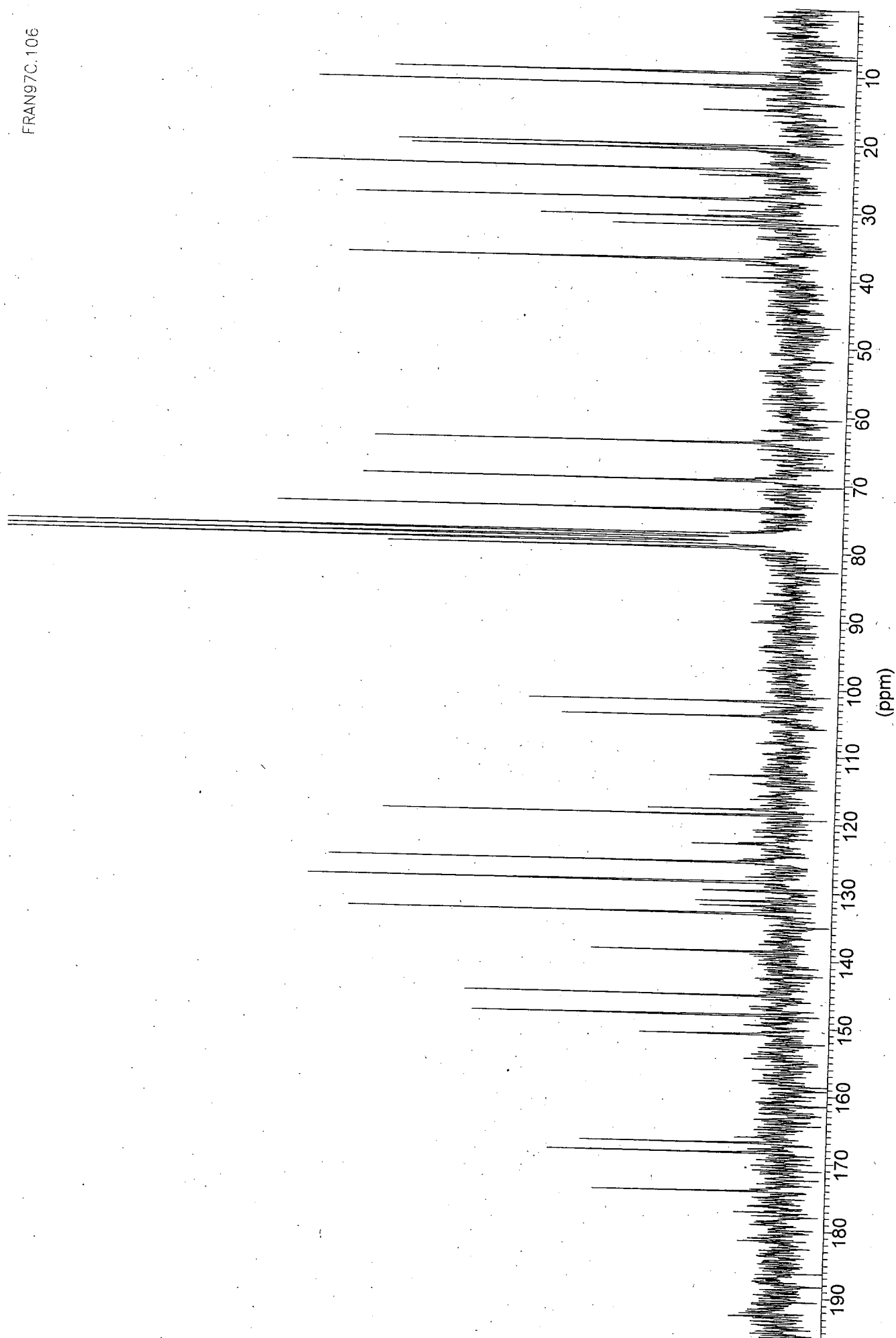


pol200001
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FRAN01H.020

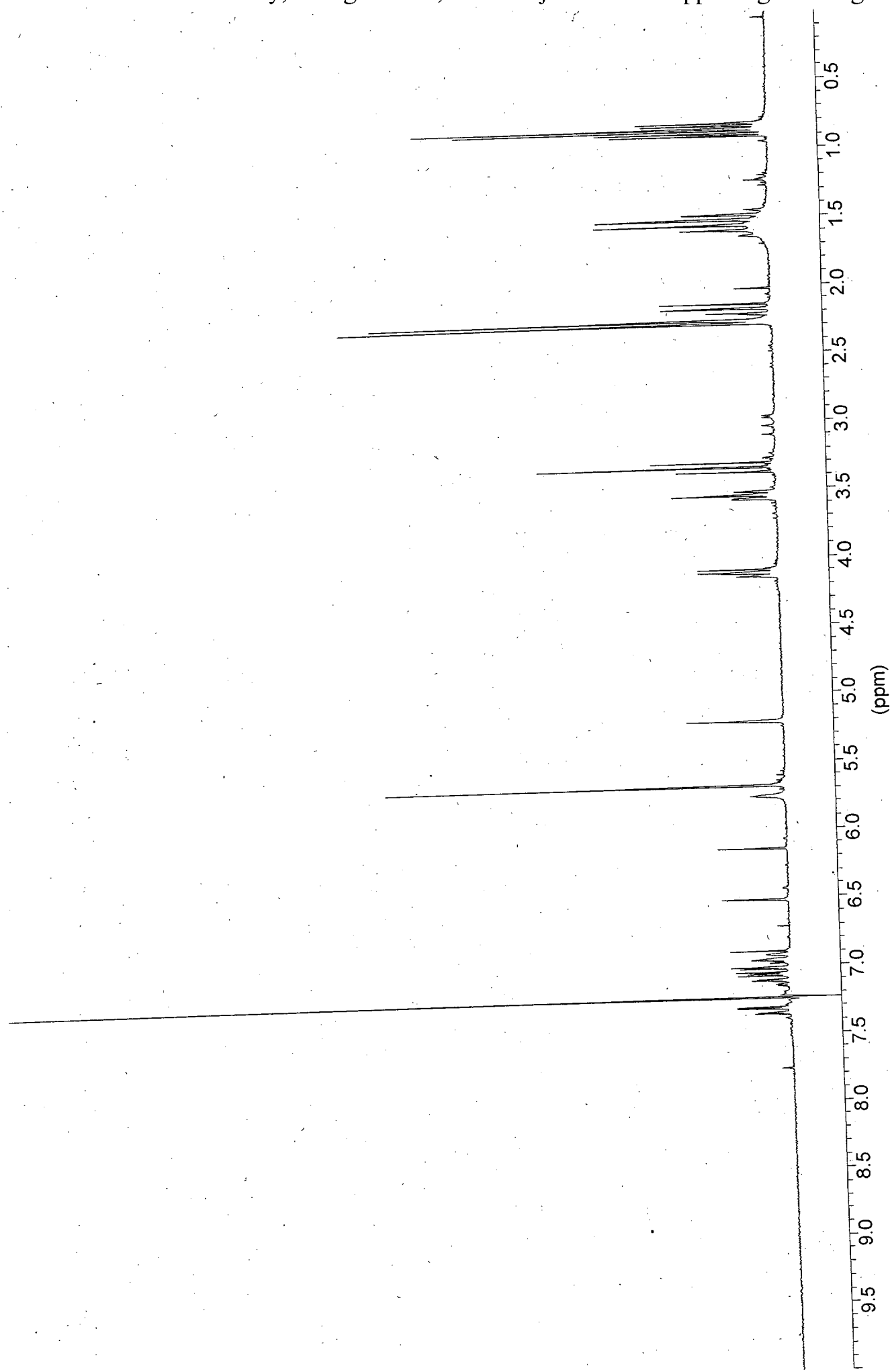


FRAN97C.106

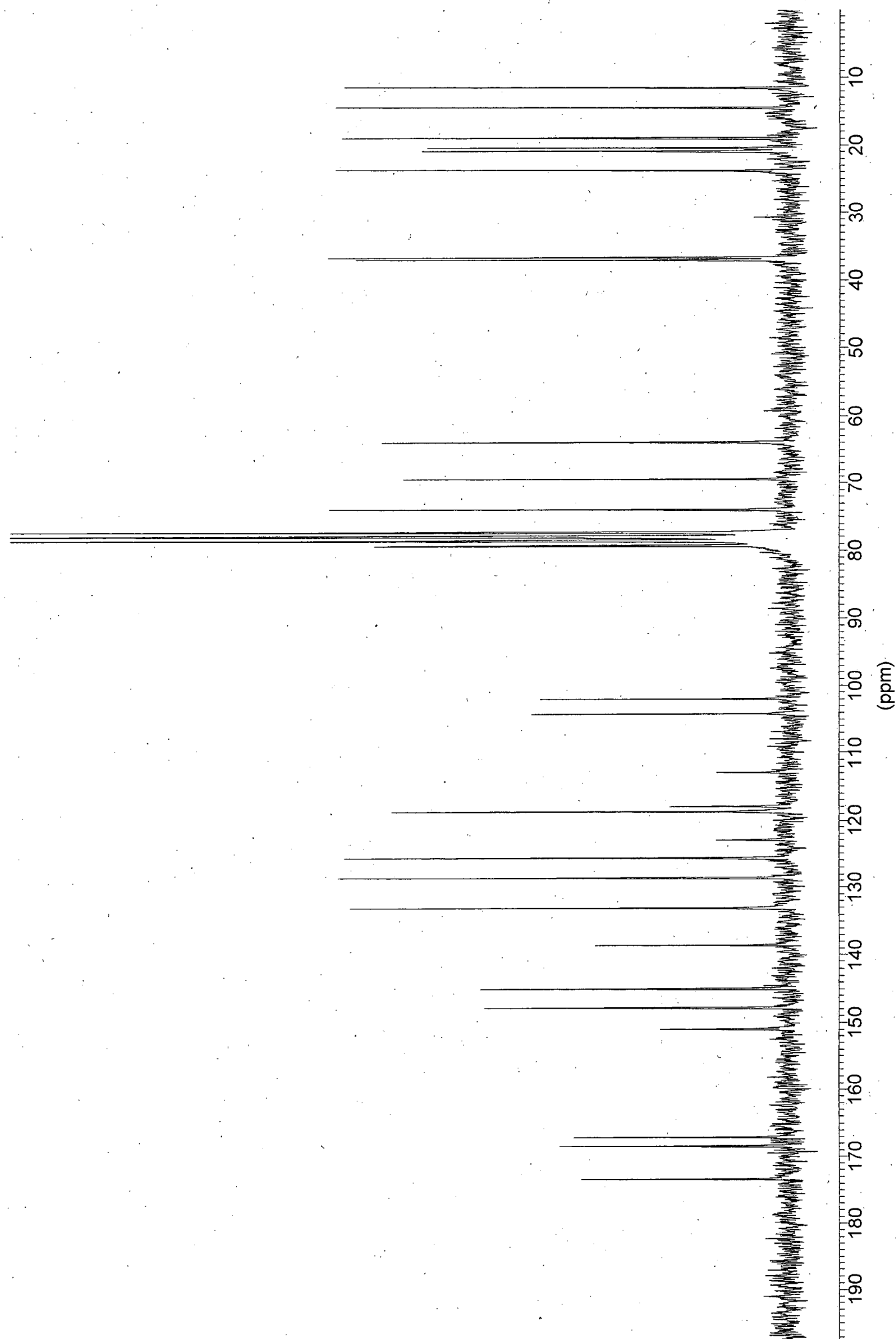


PC22R0001BC

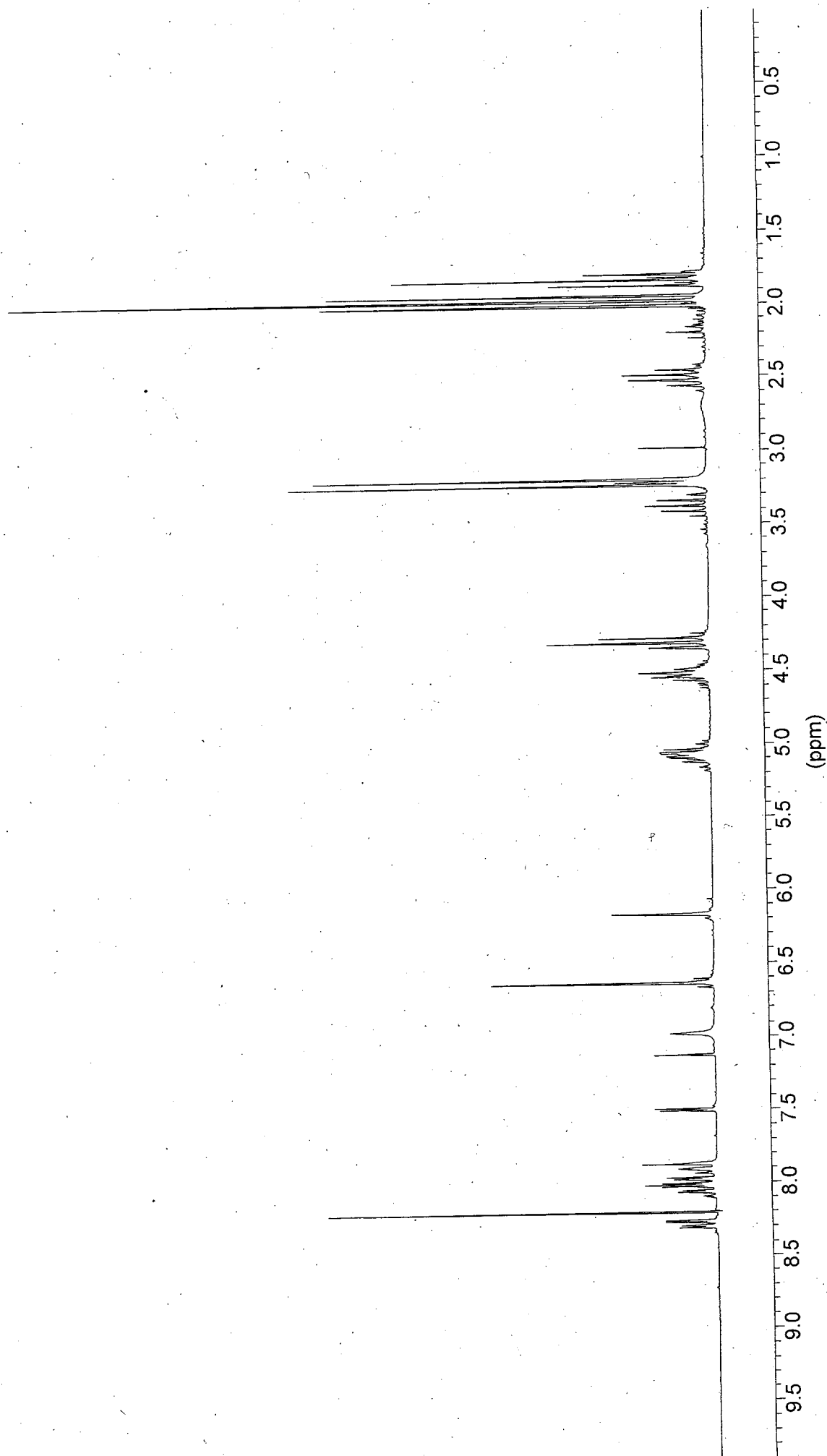
FRAN20H.010 5 f



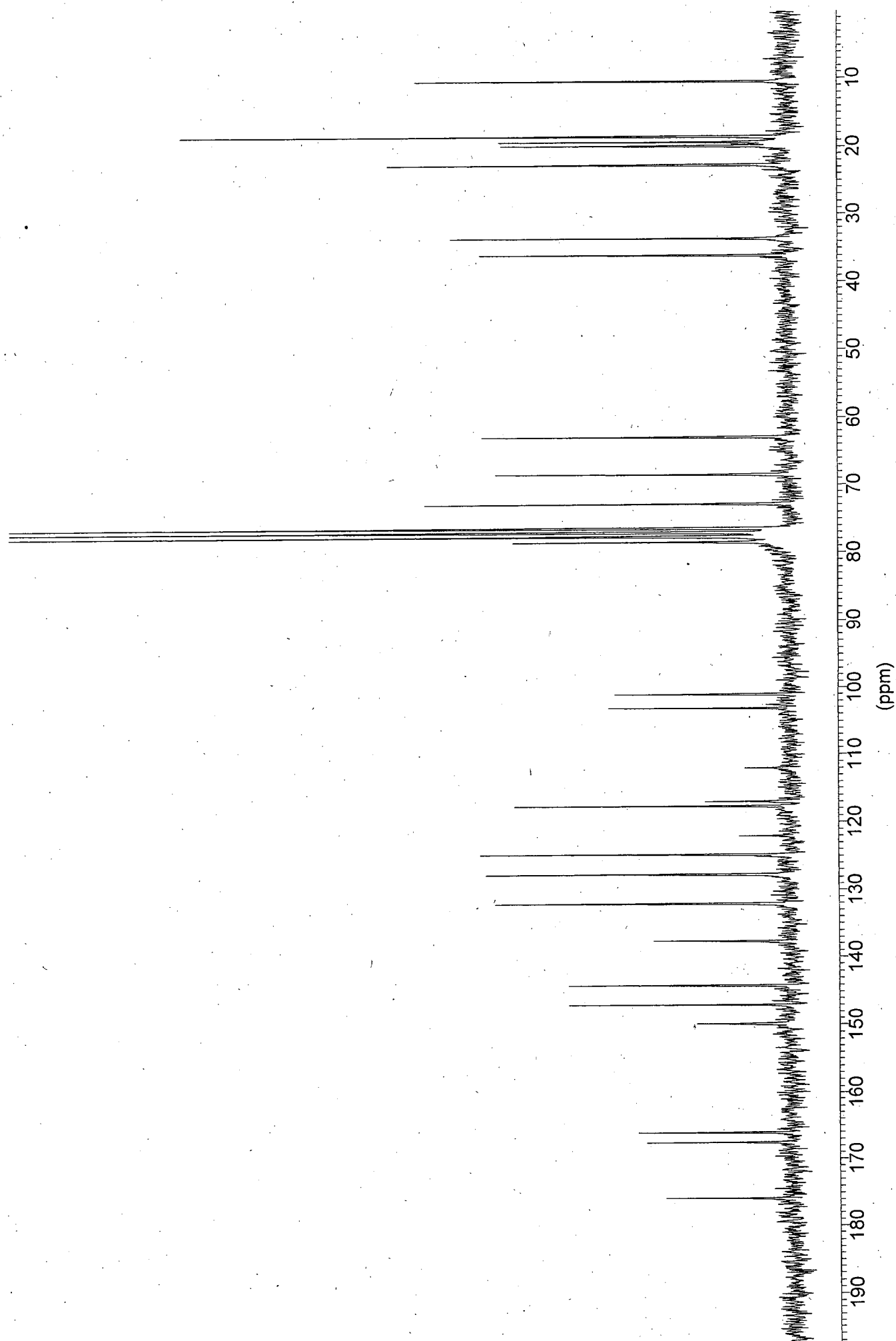
FRAN20C.013



100% MeOH
FRAN20H.017
60

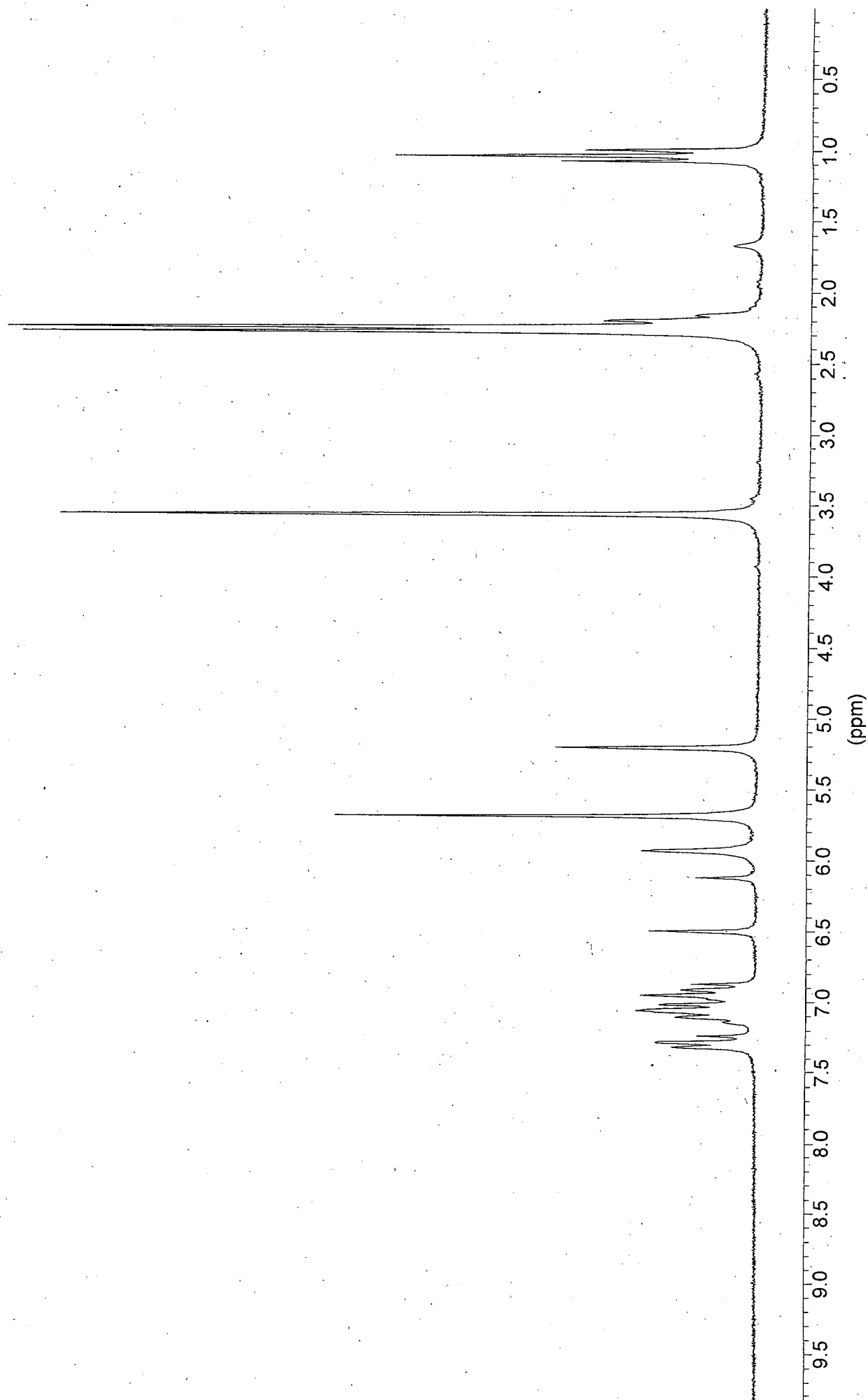


FRAN20C.071

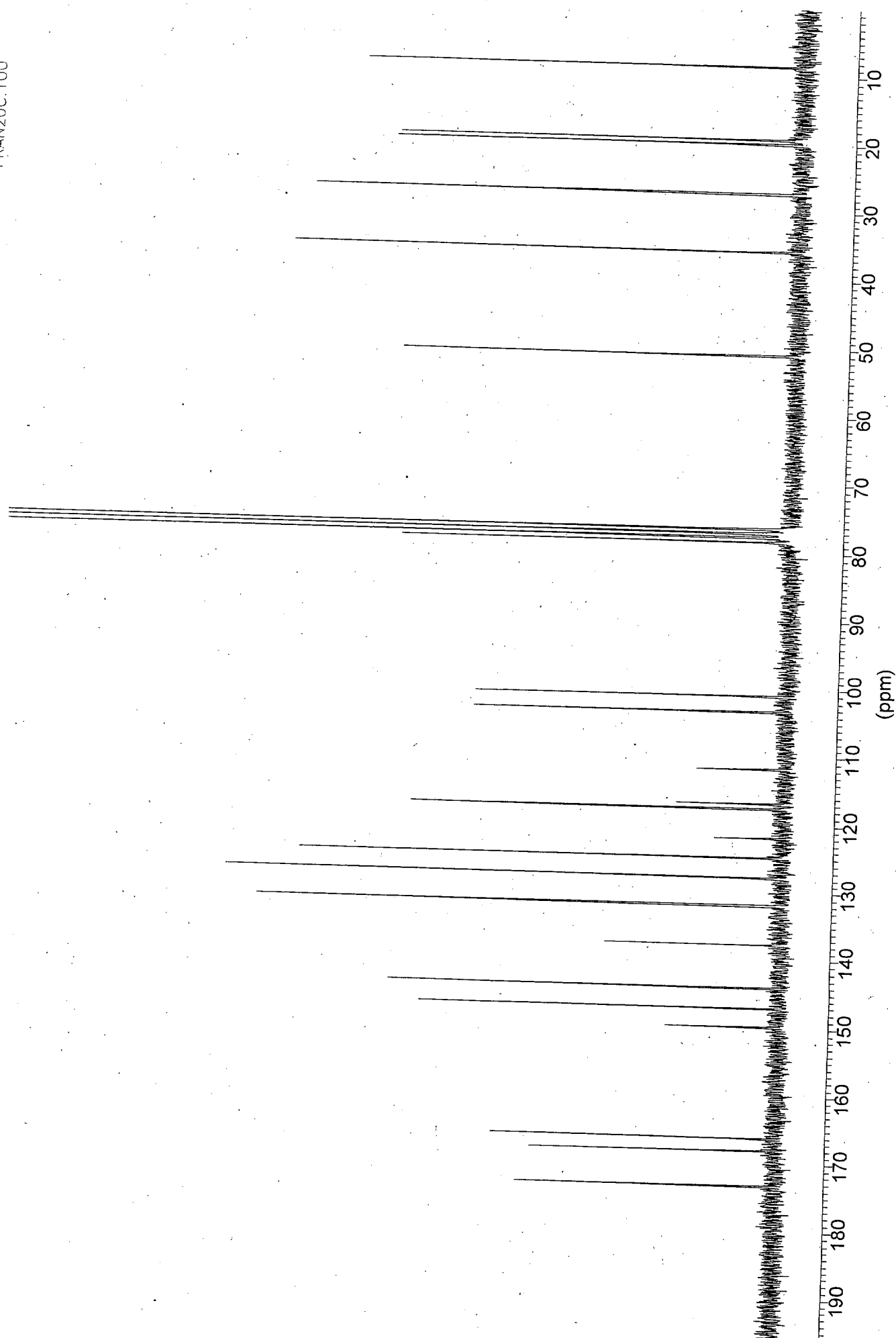


Me Rio Ra
6d

FRAN20H.100

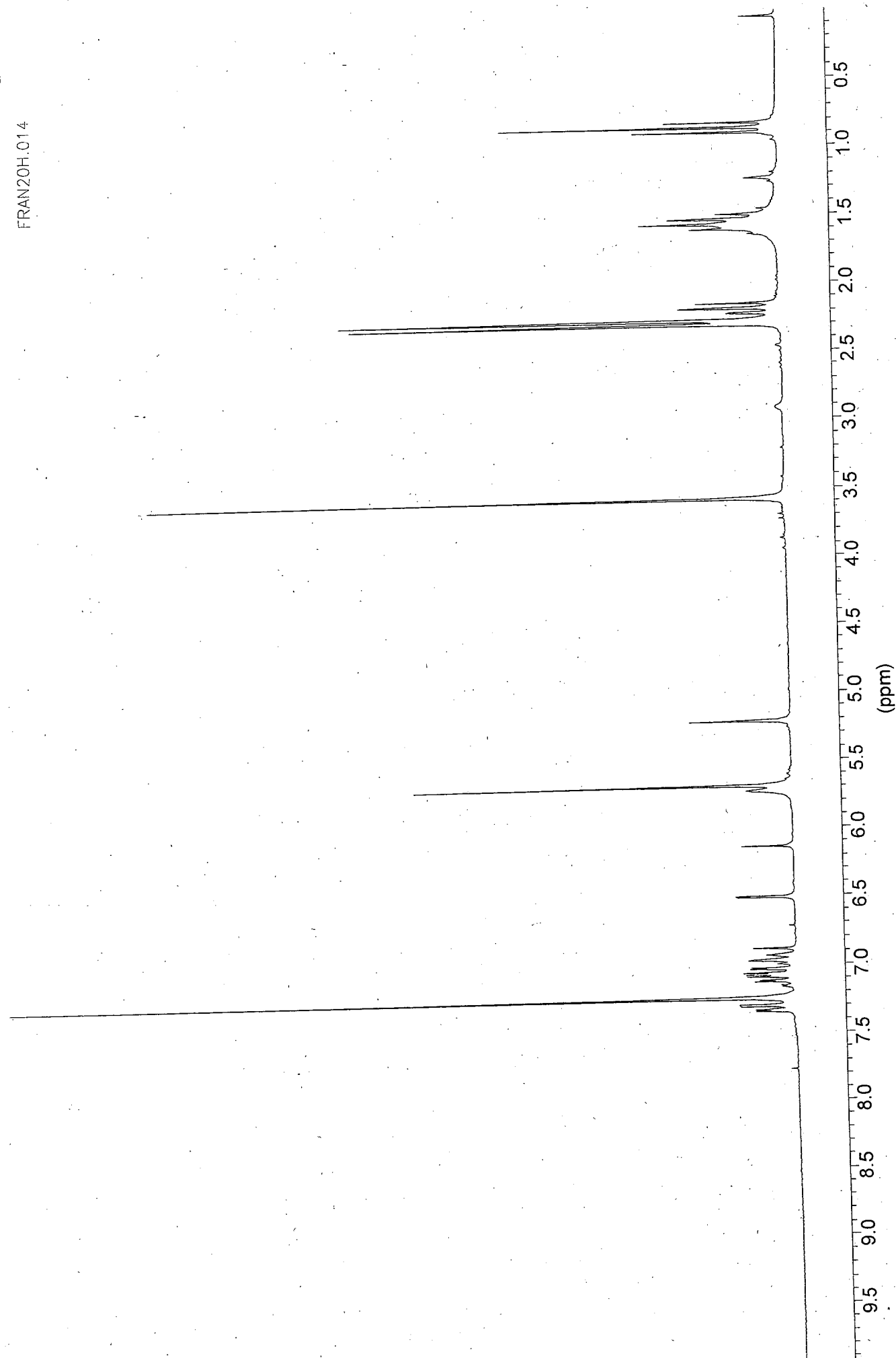


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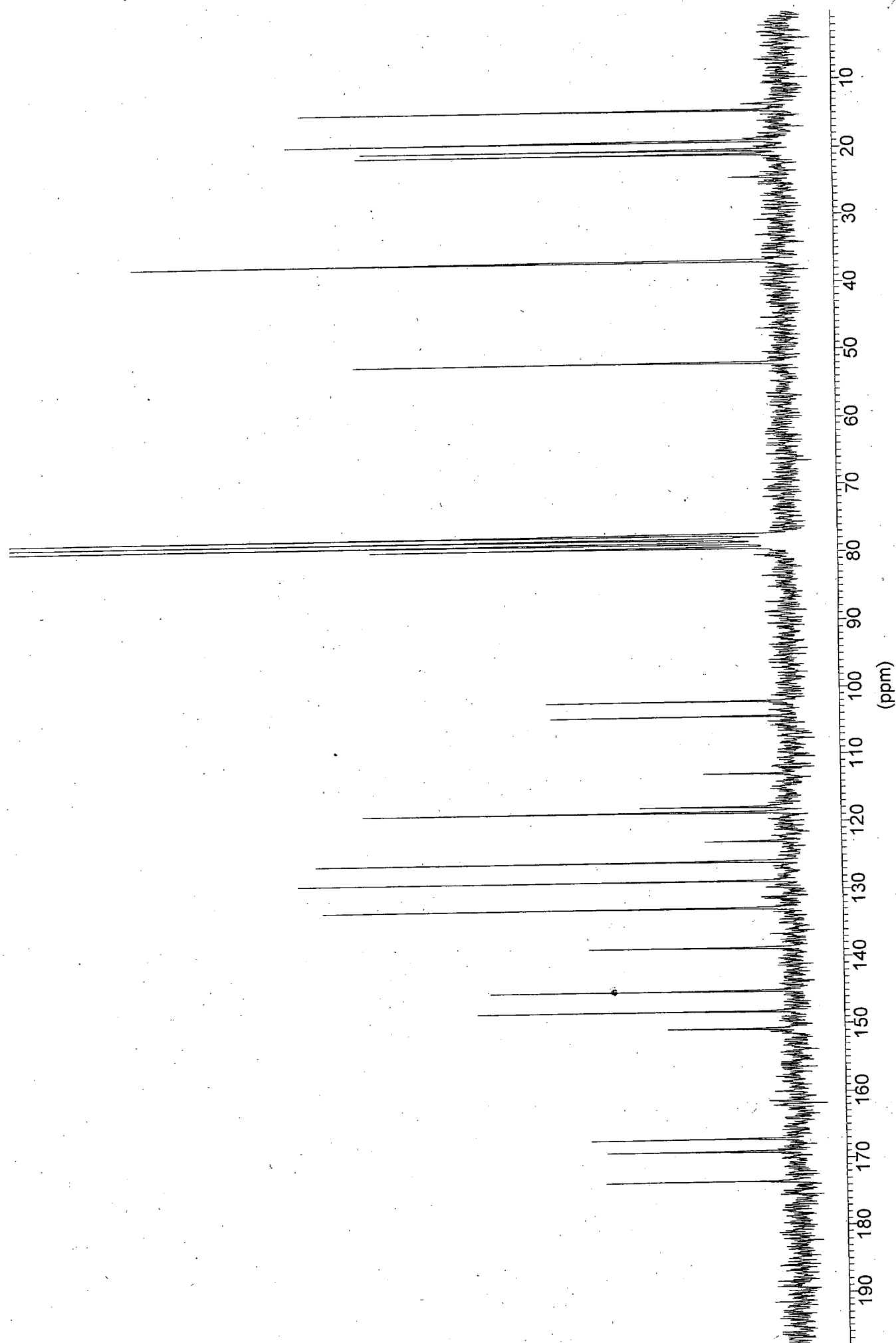


See Rio in BDI
6e

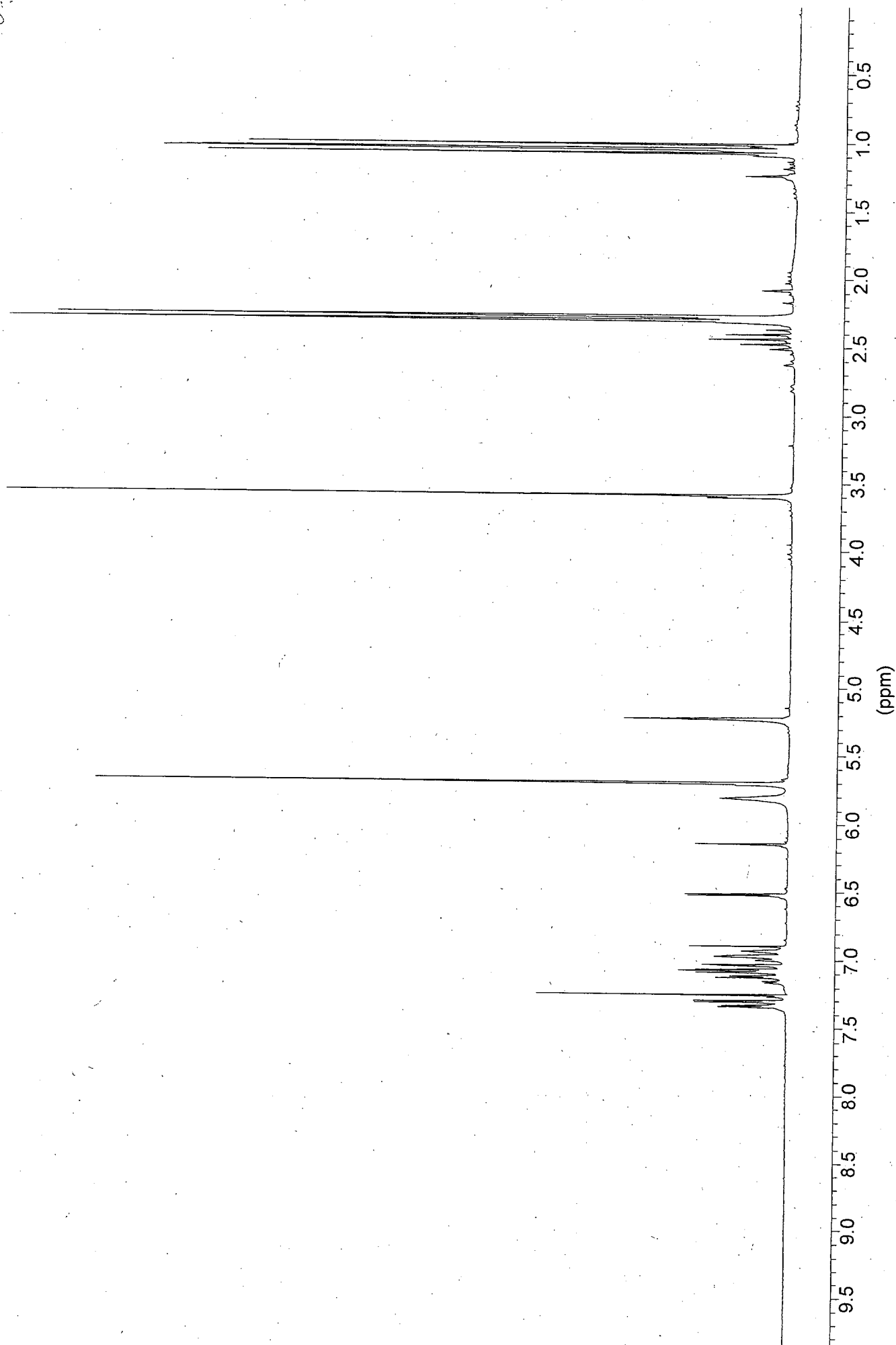
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FRAN20C:107

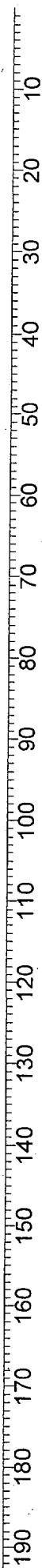


McK...
FRAN97H.167
6f

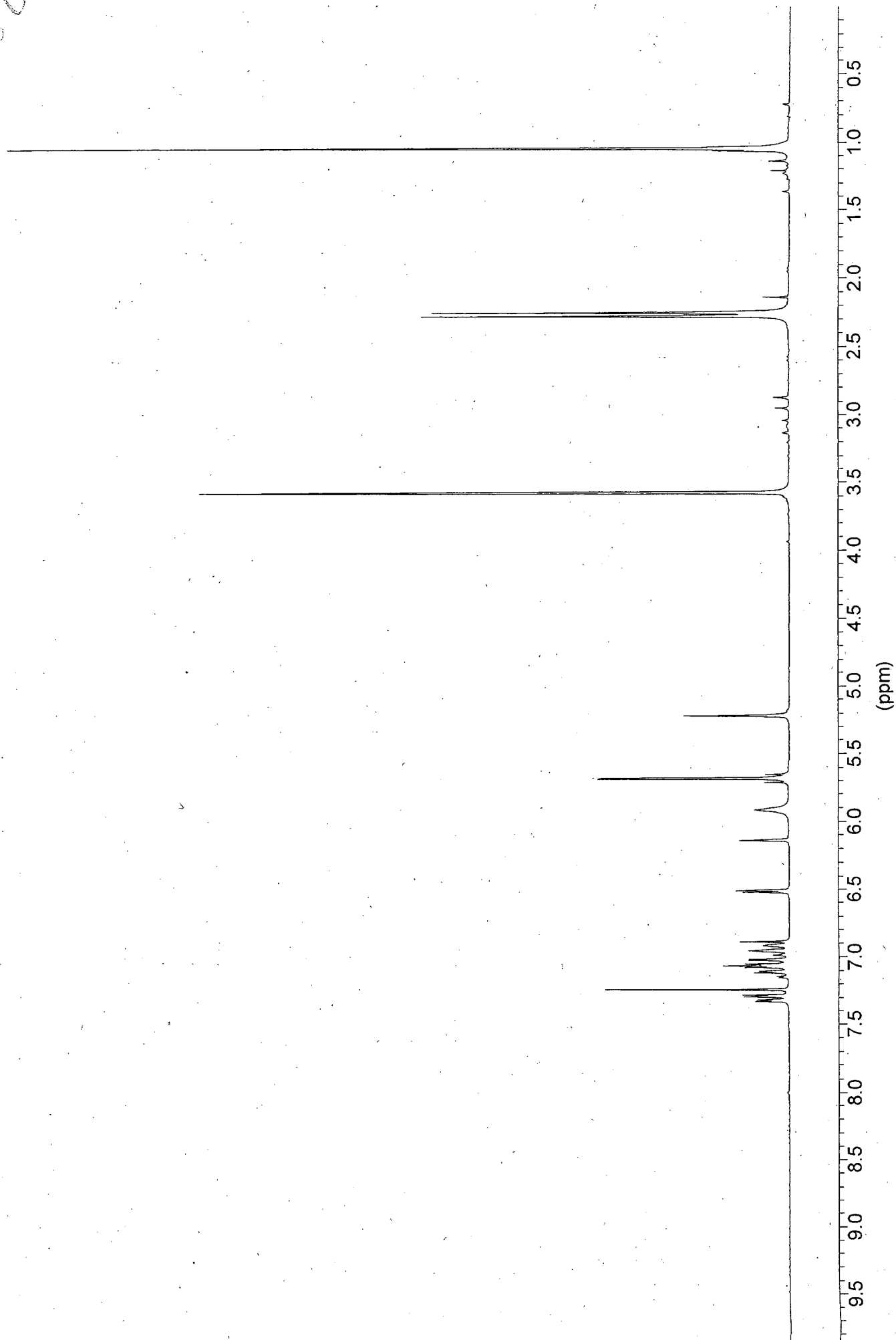


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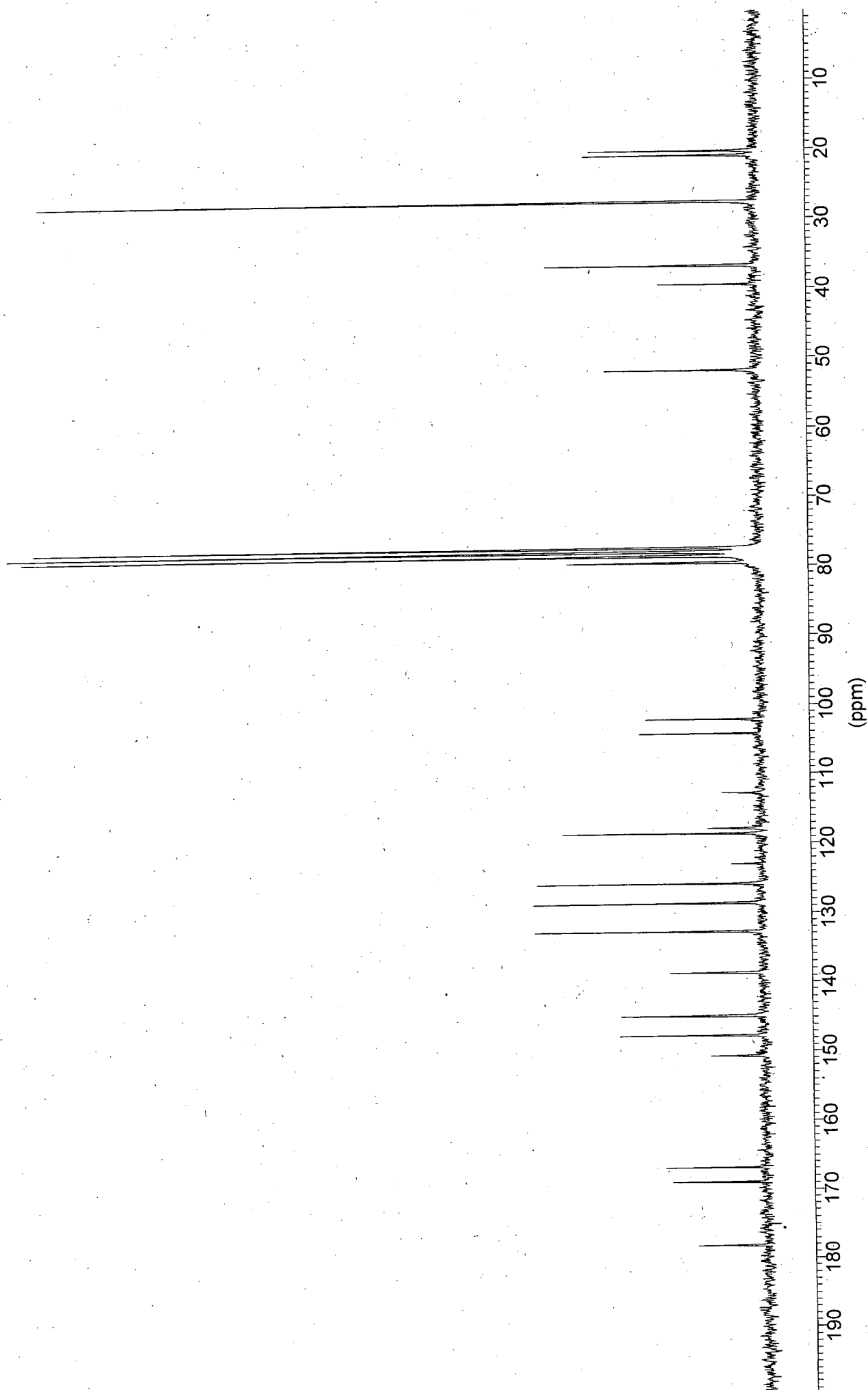
(ppm)



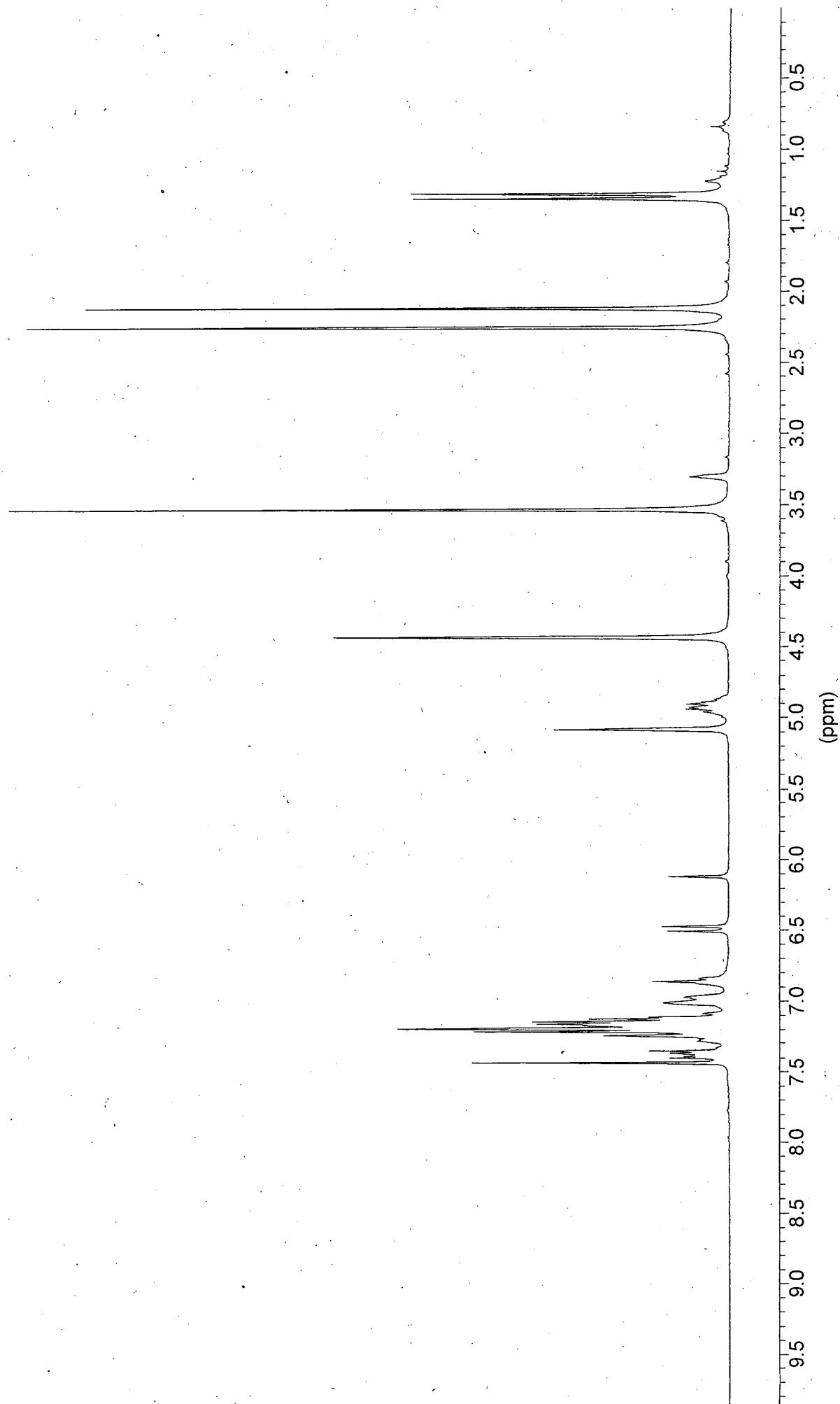
6.92 ppm
6.92
FRAN20H.076



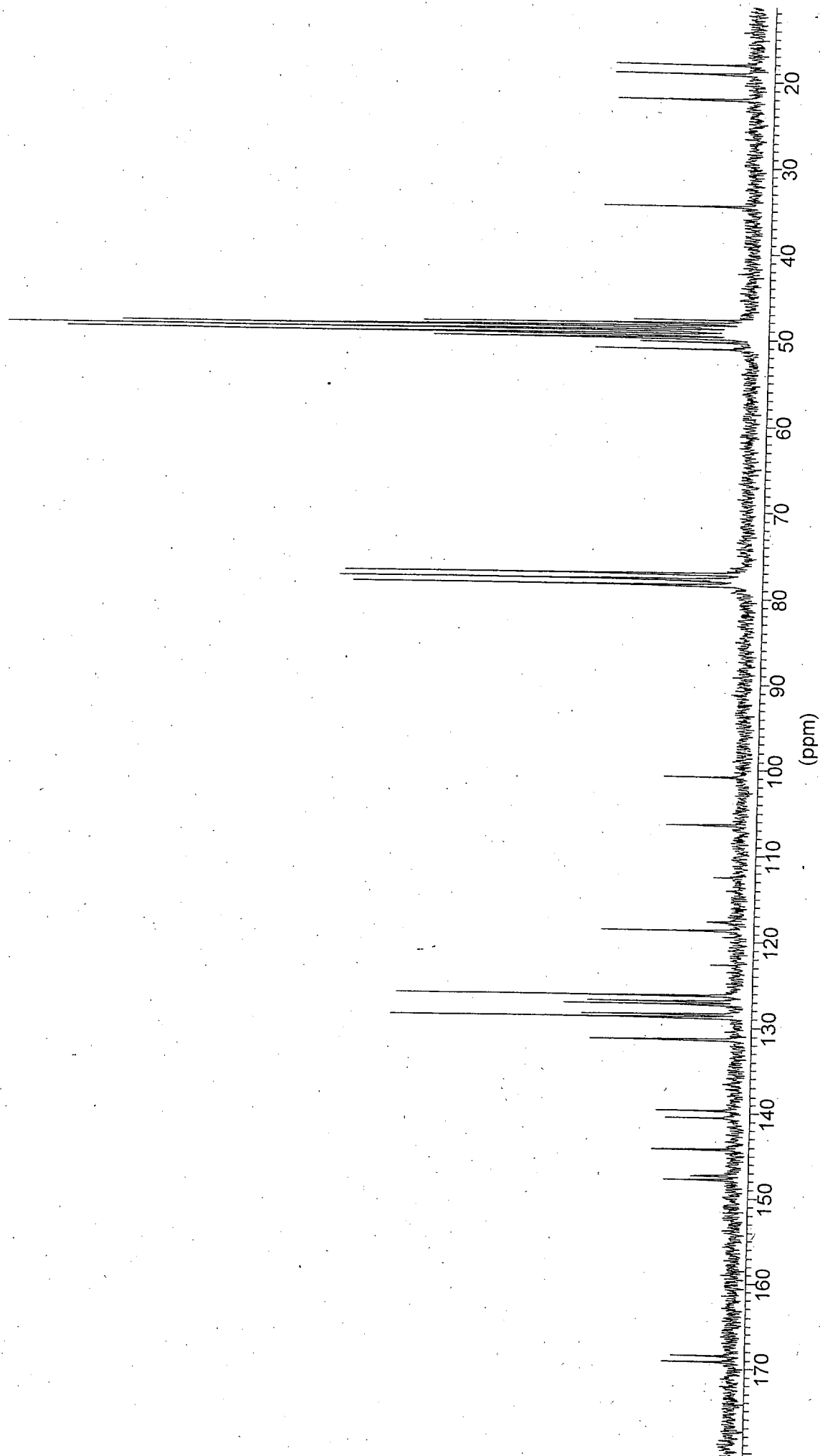
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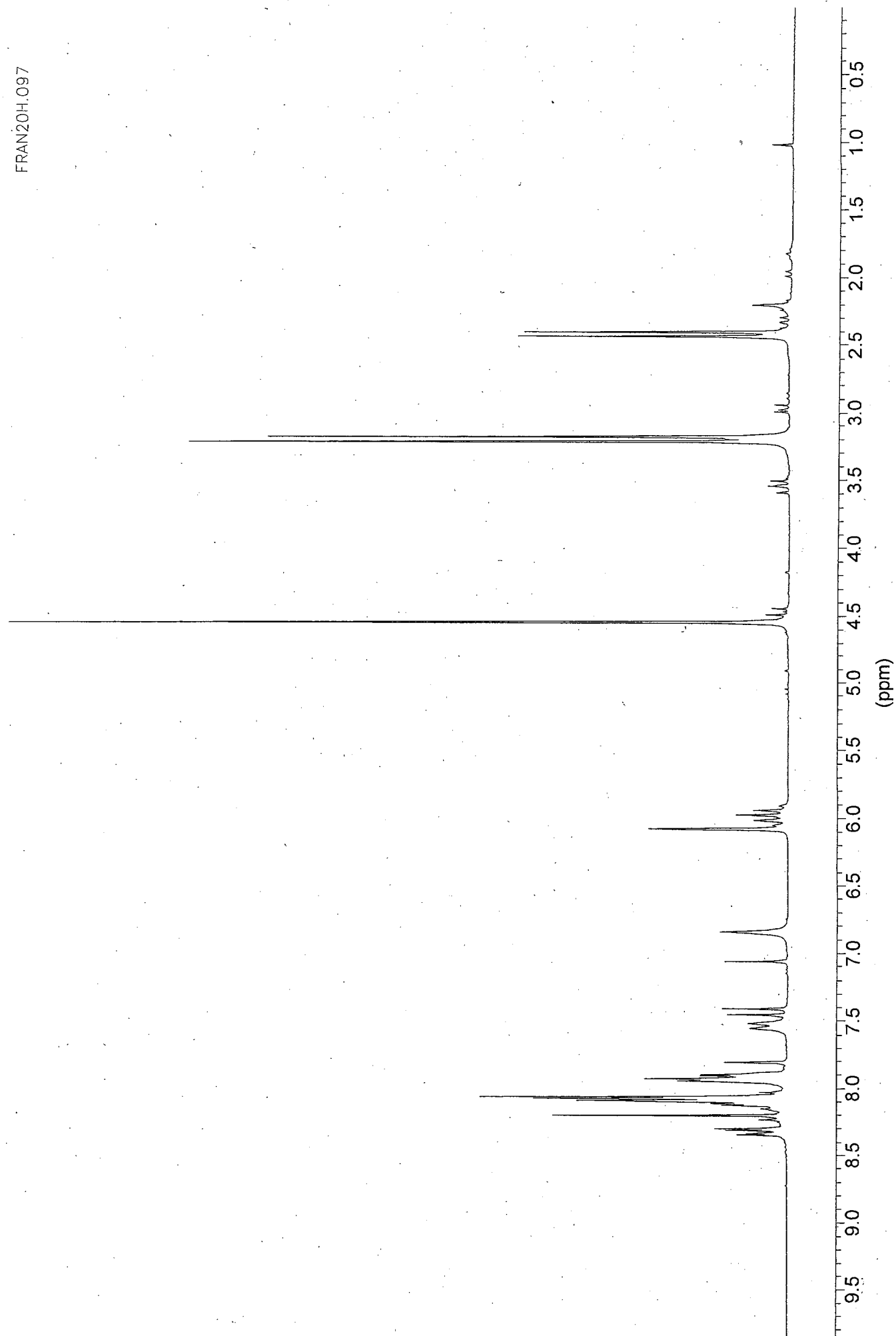
FRAN20H.099



FRANCOIS
H/S



FRAN20H.097



FRAN20C.097

