

Supporting Information NMR Spectra Part 1 for:

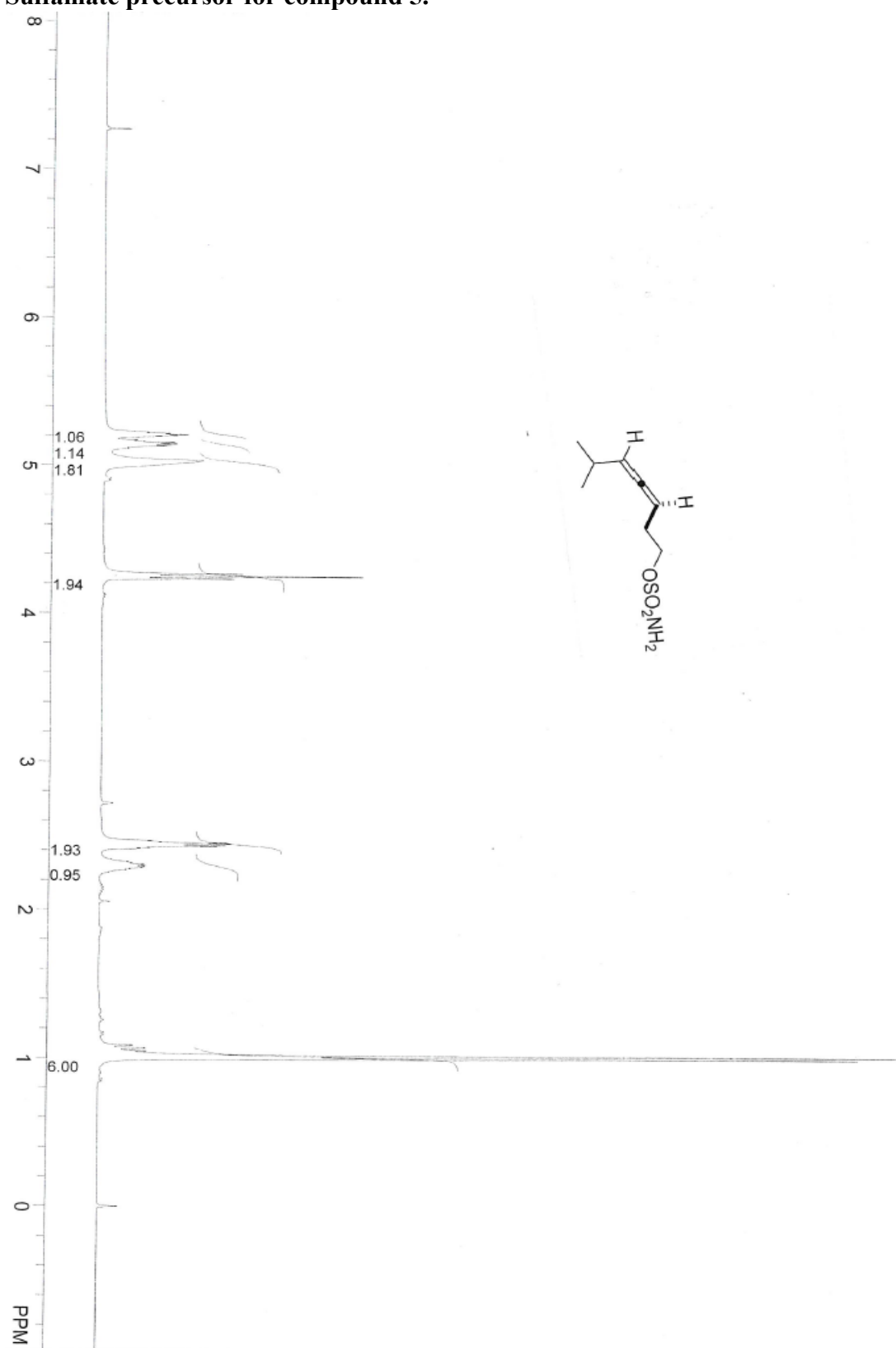
Complete stereodivergence in the synthesis of 2-amino-1,3-diols from allenes

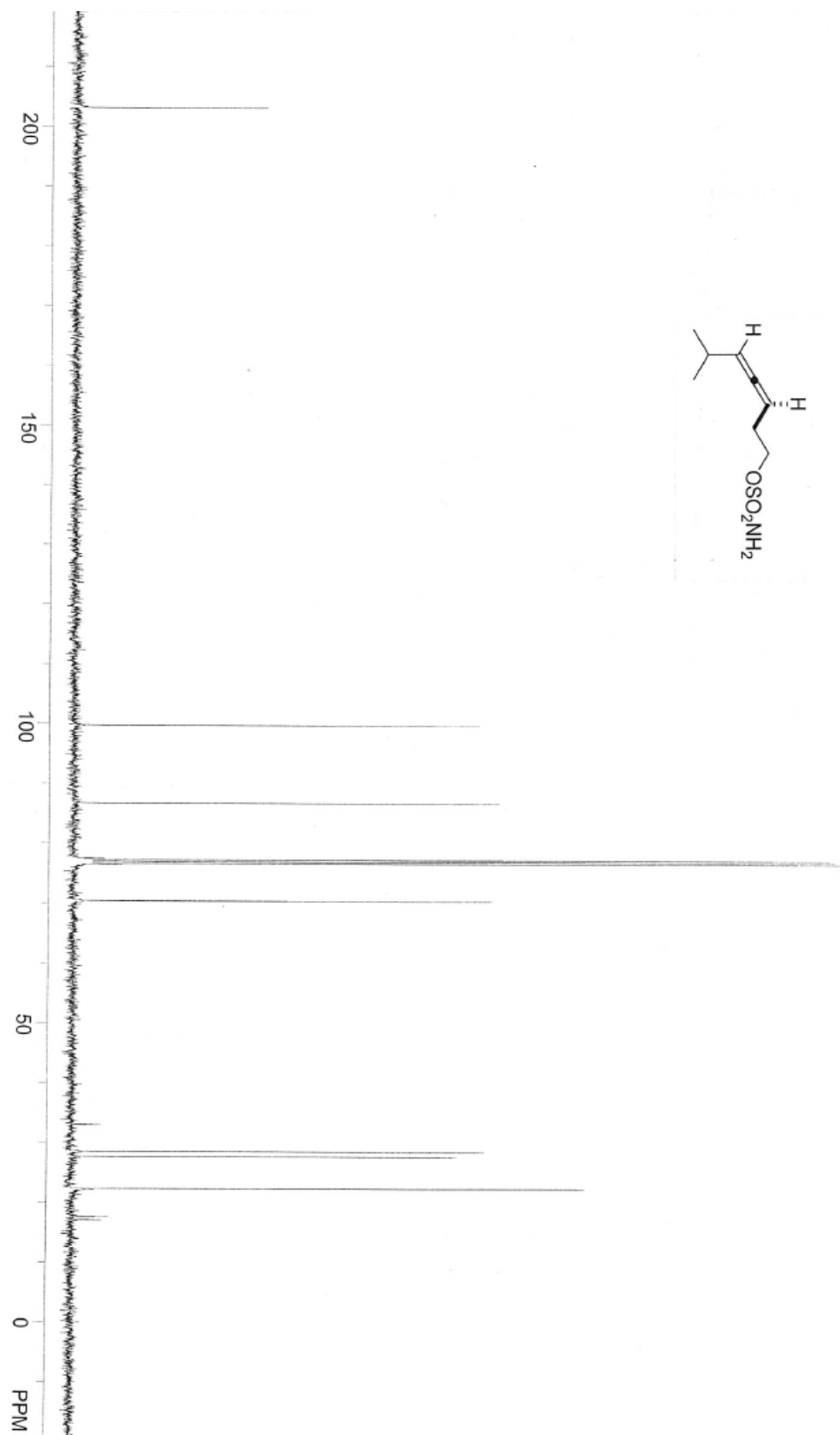
Christopher S. Adams[‡], R. David Grigg[‡] and Jennifer M. Schomaker^{*}

*Department of Chemistry, University of Wisconsin-Madison, 1101 University Avenue
Madison, Wisconsin, 53706-1396*

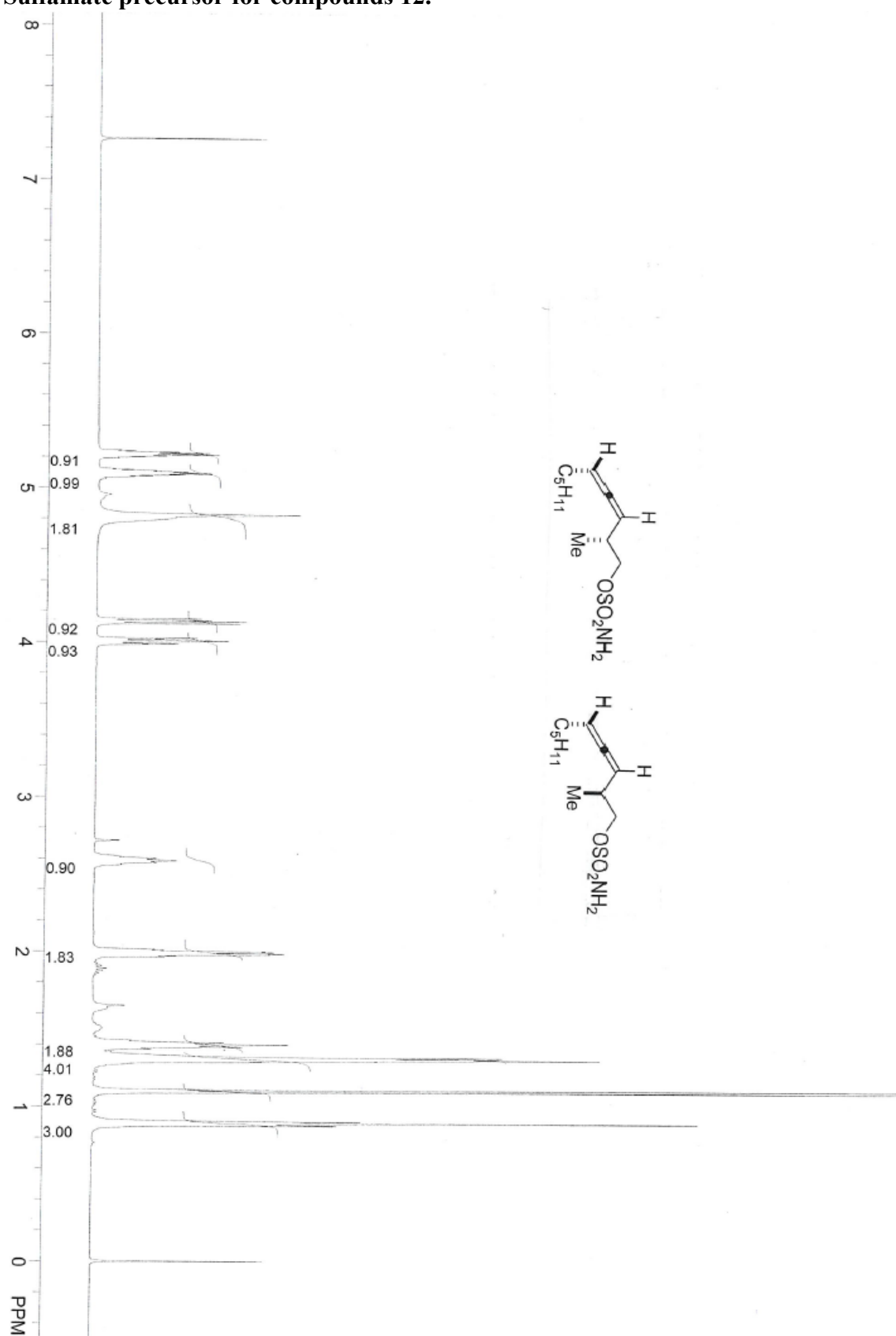
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NMR Spectra for all new compounds	S1-2

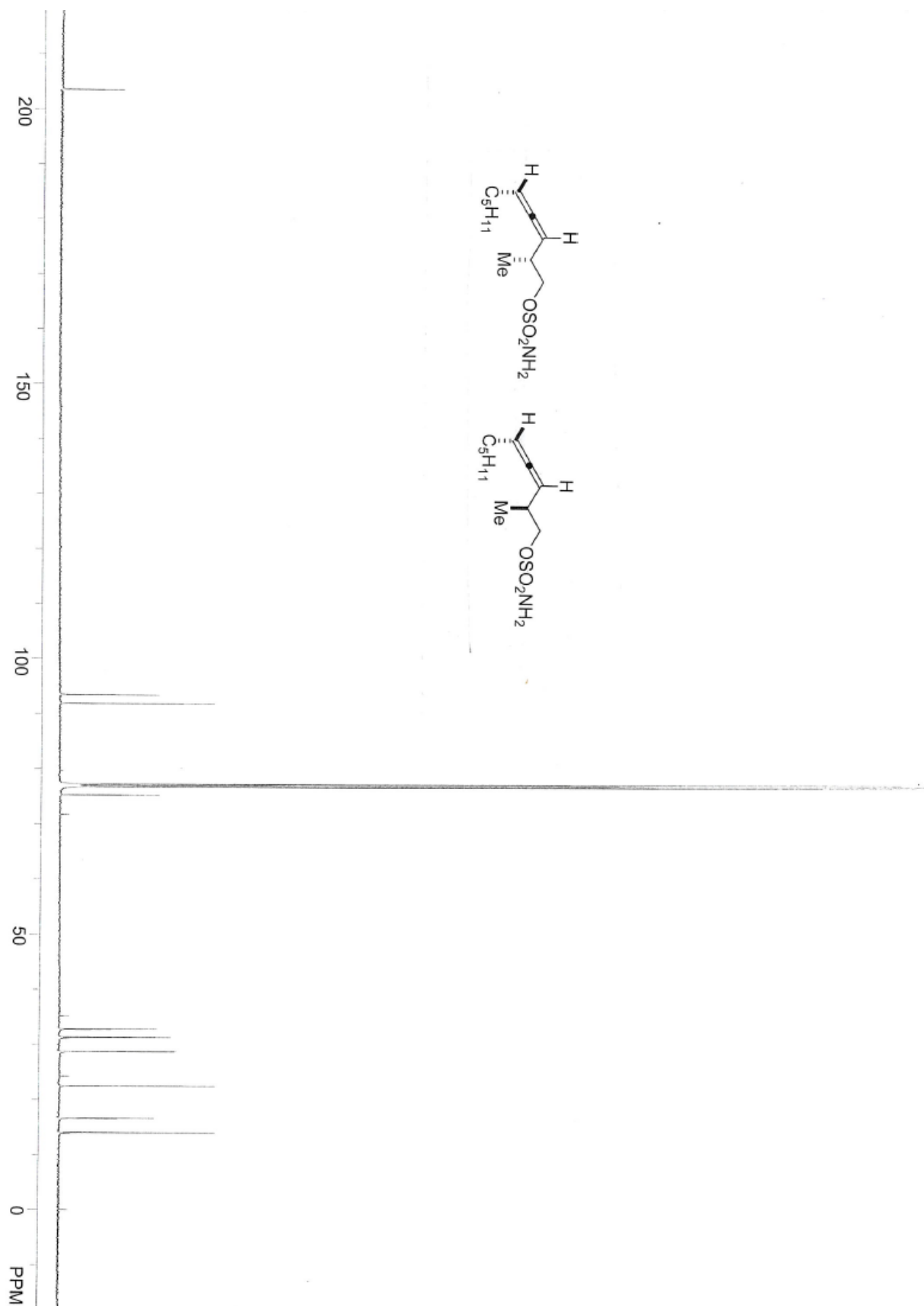
Sulfamate precursor for compound 5.



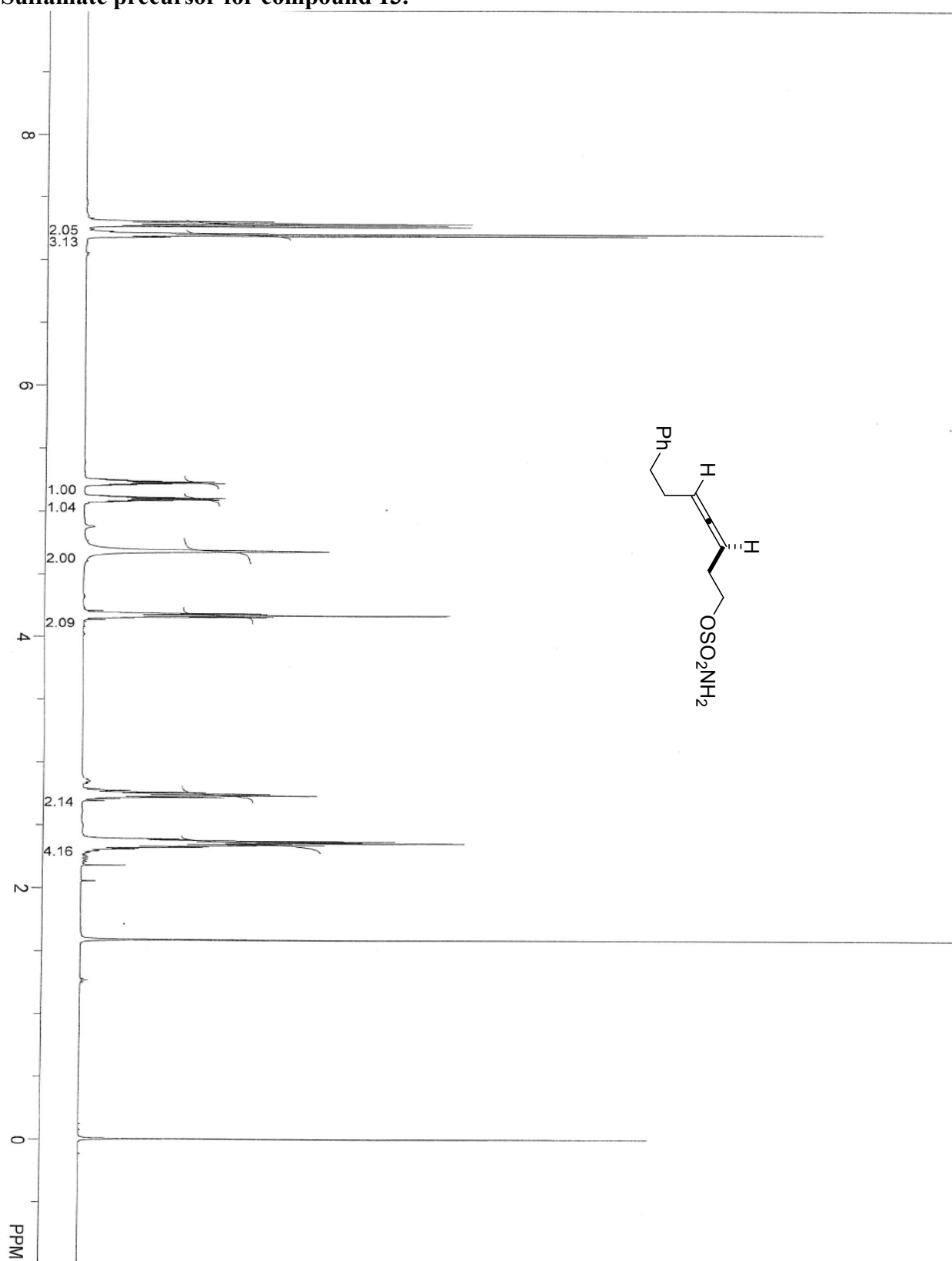


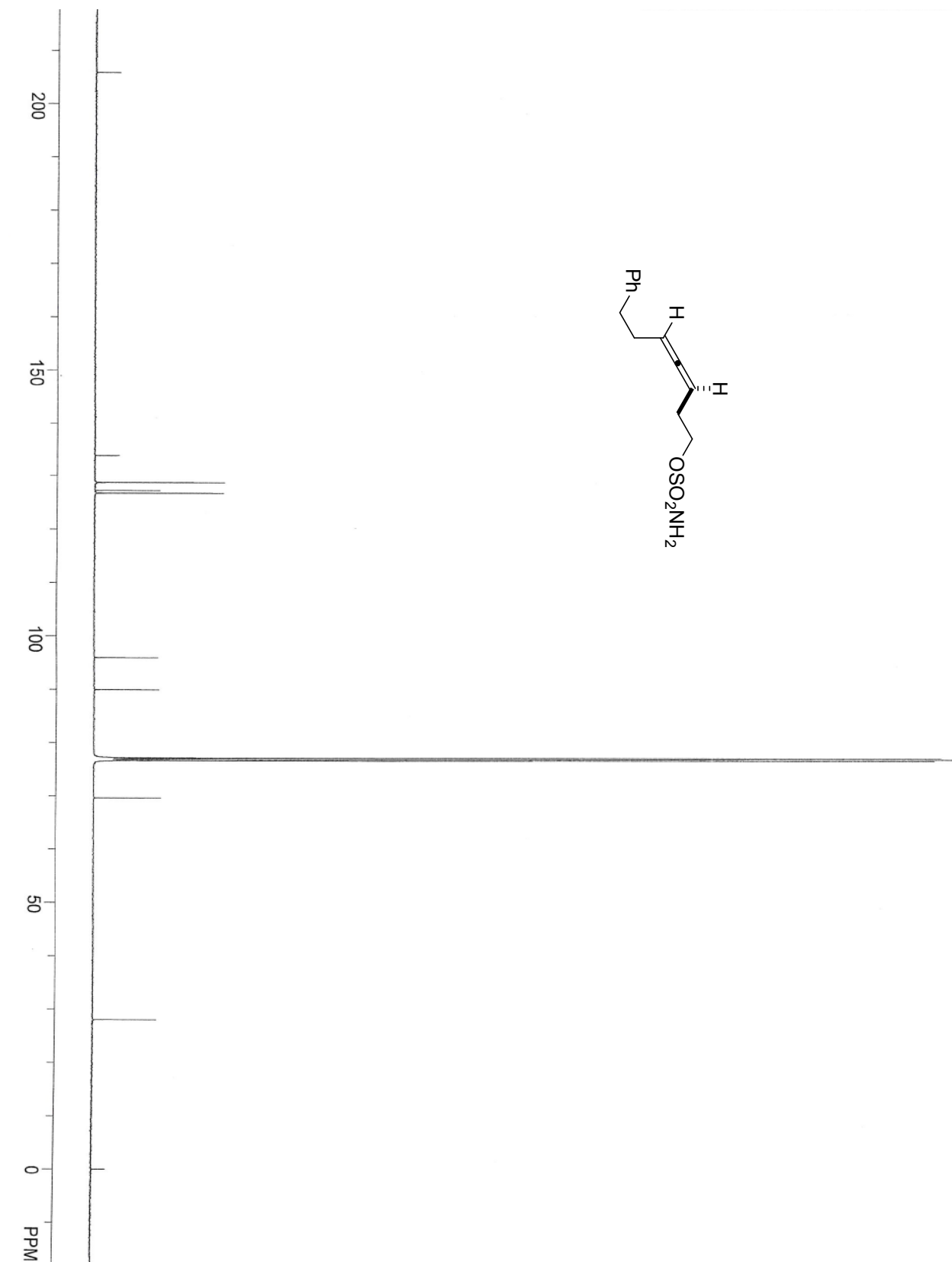
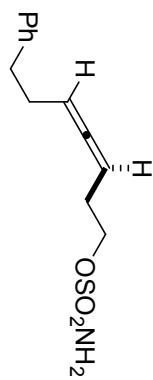
Sulfamate precursor for compounds 12.



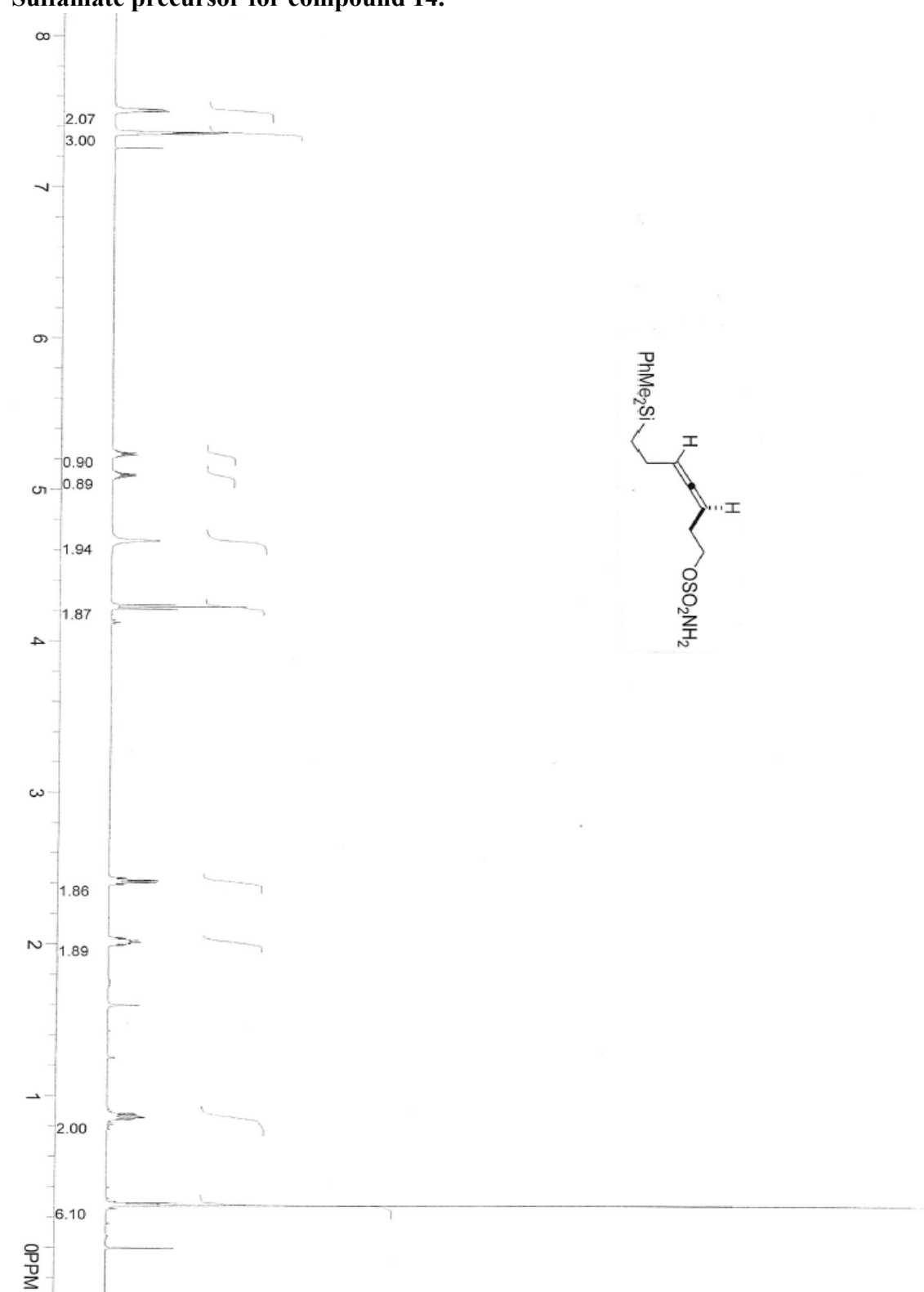


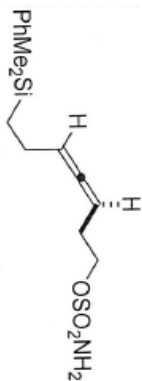
Sulfamate precursor for compound 13.



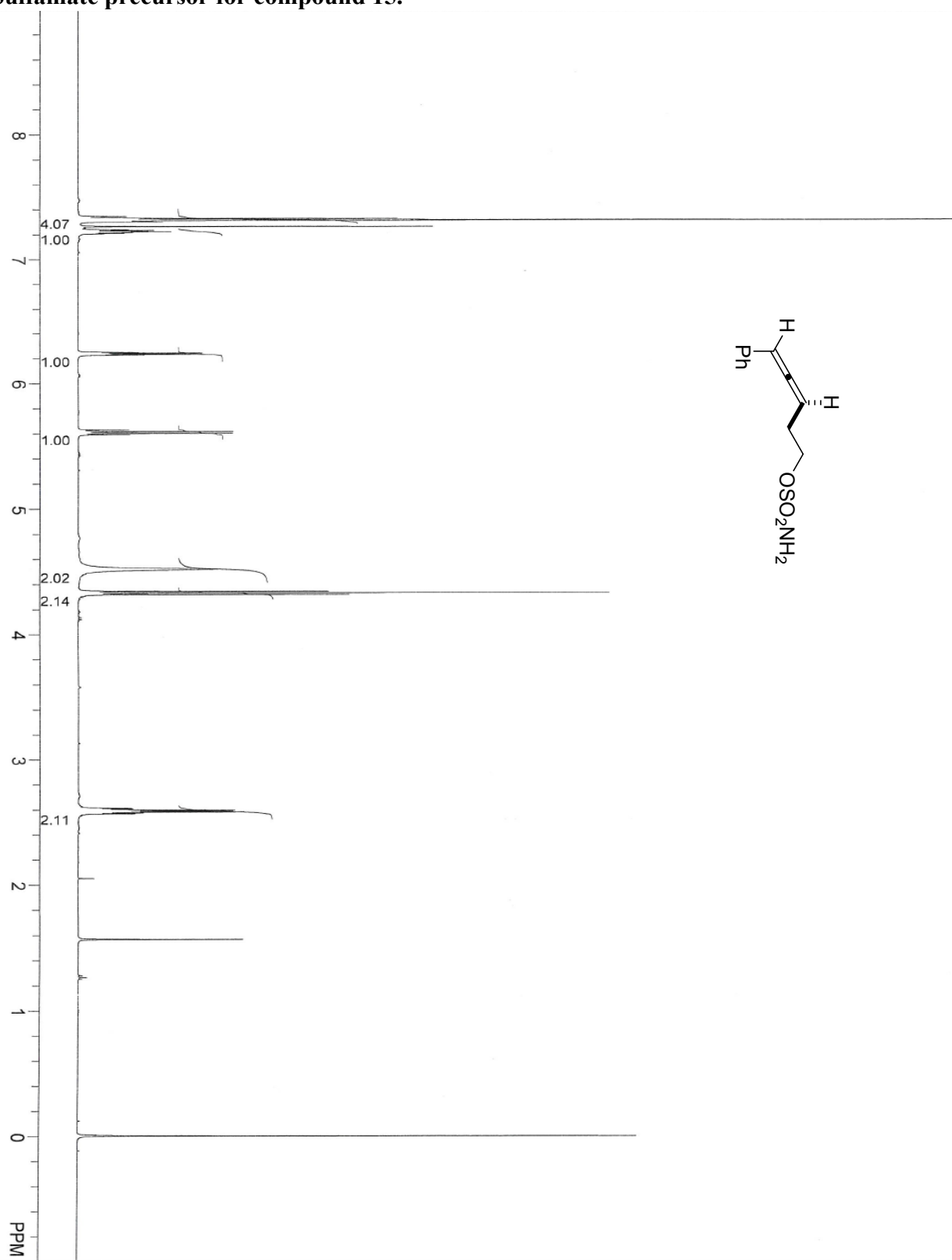


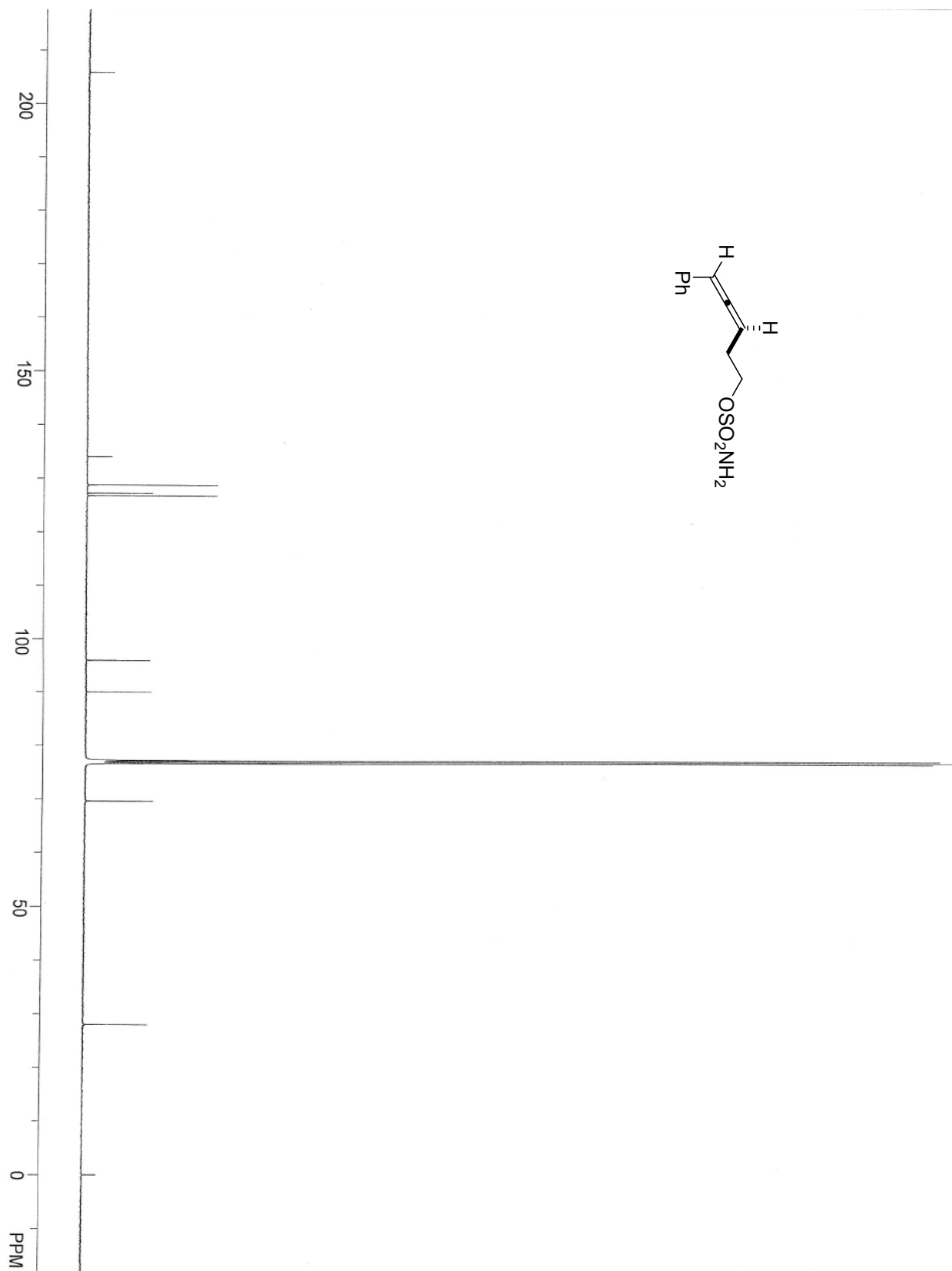
Sulfamate precursor for compound 14.



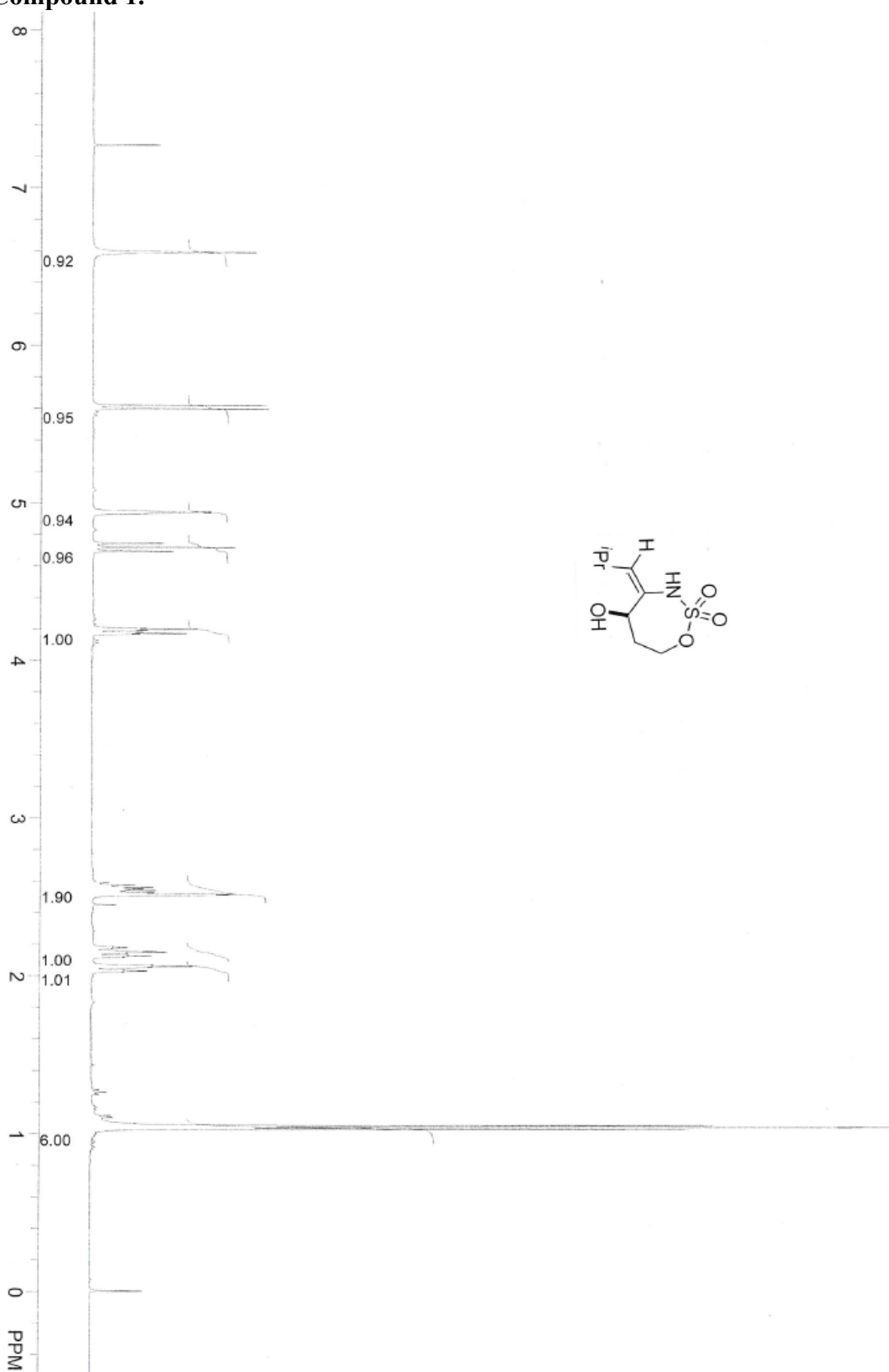


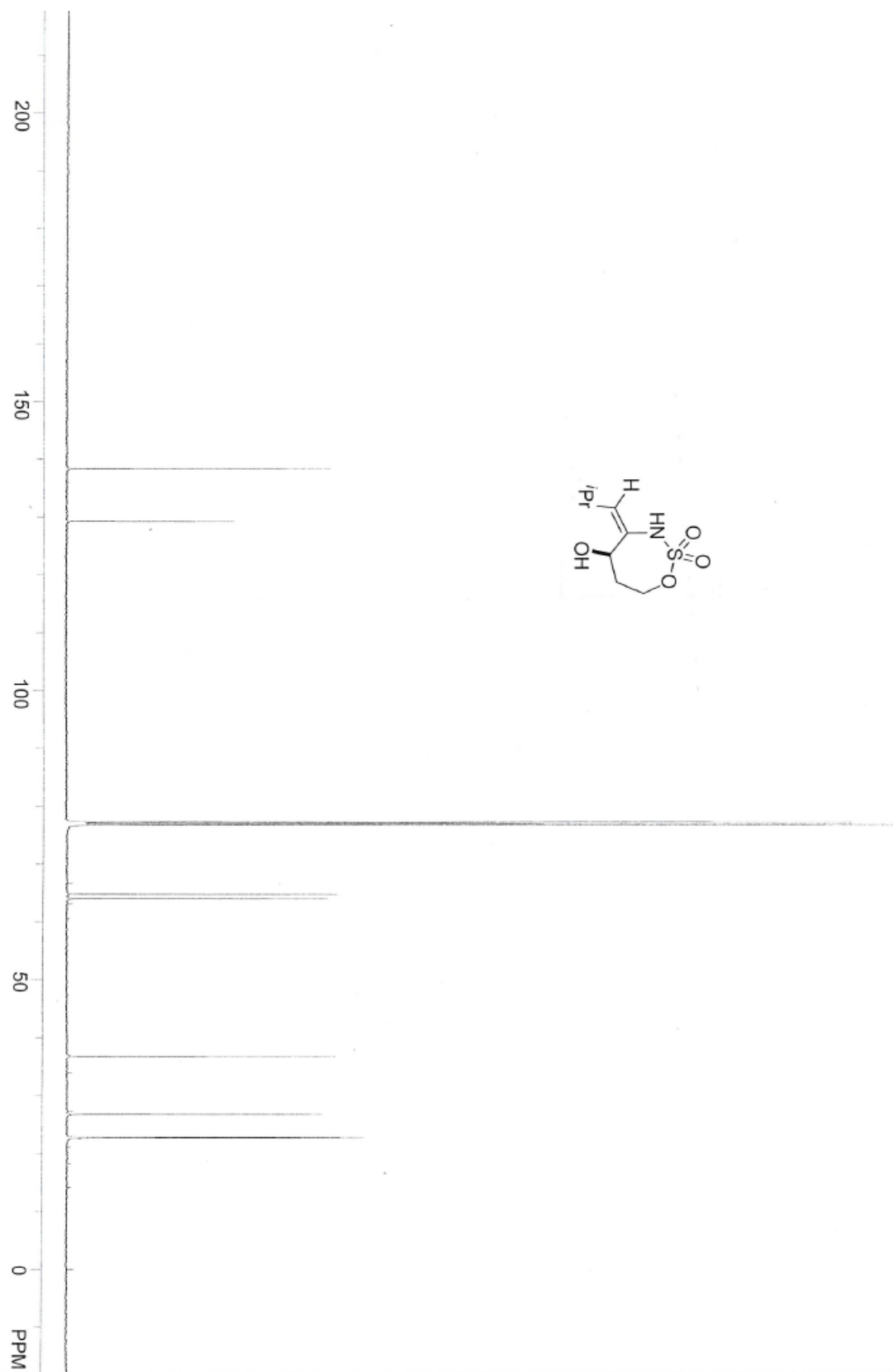
Sulfamate precursor for compound 15.



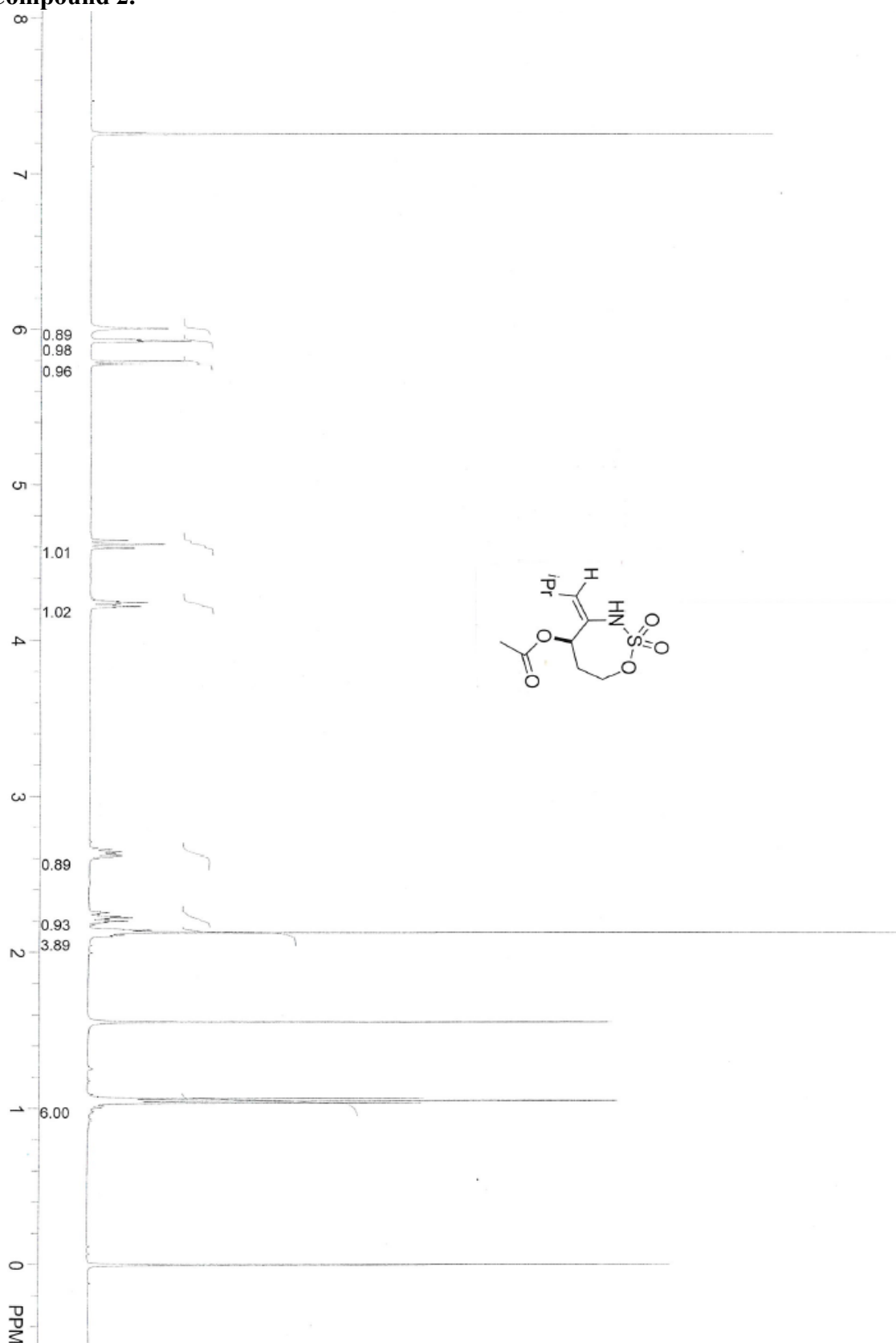


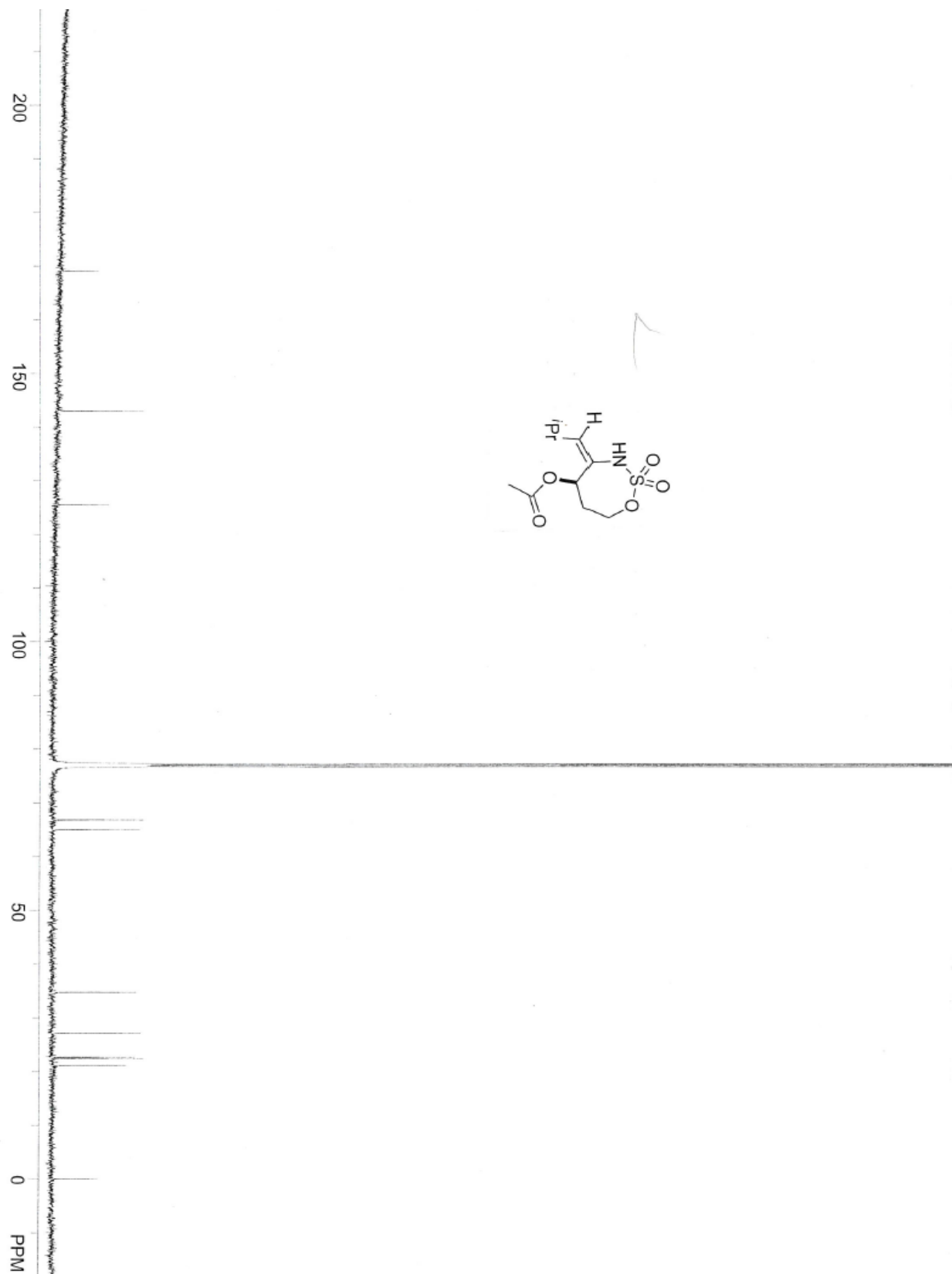
Compound 1.



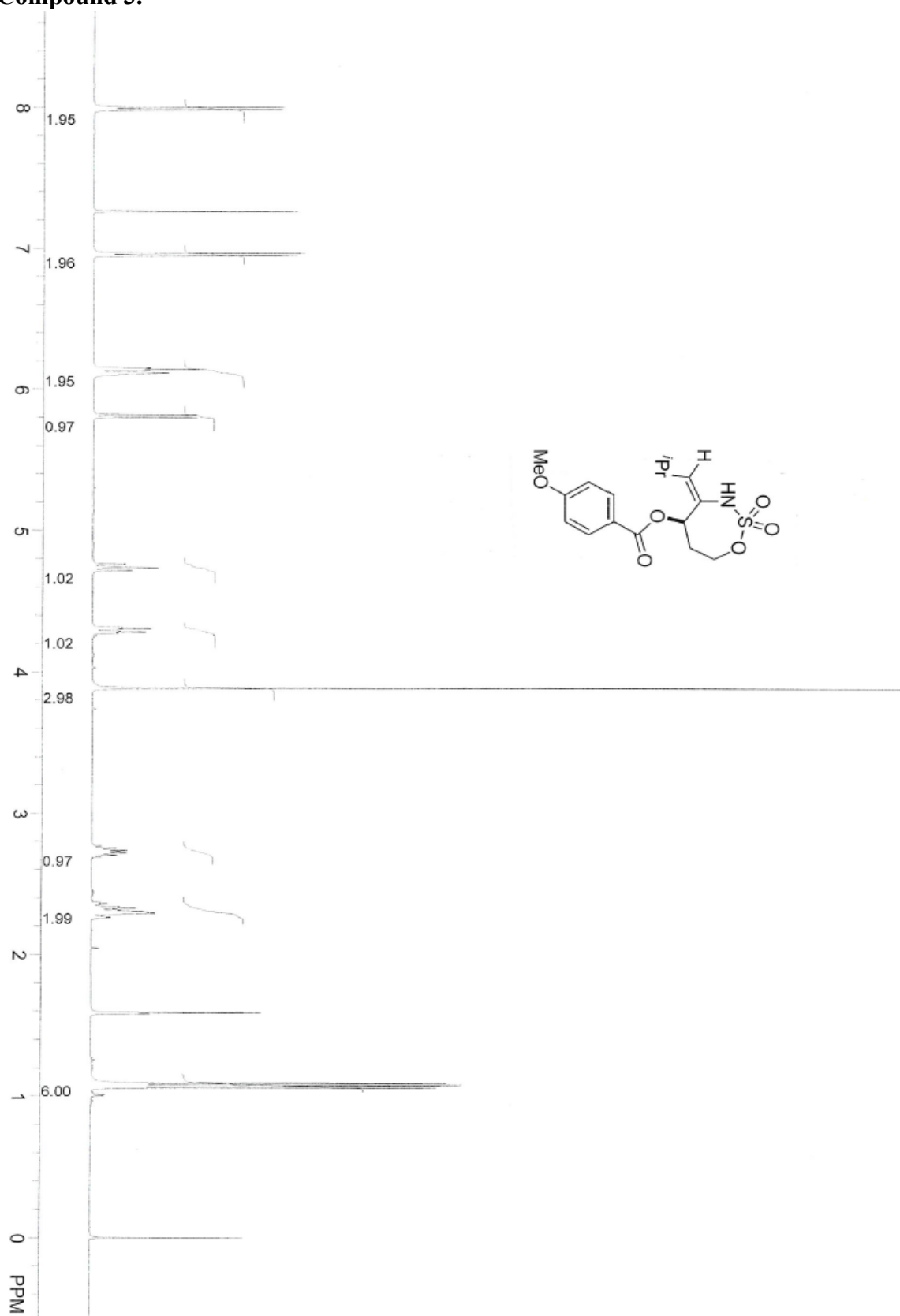


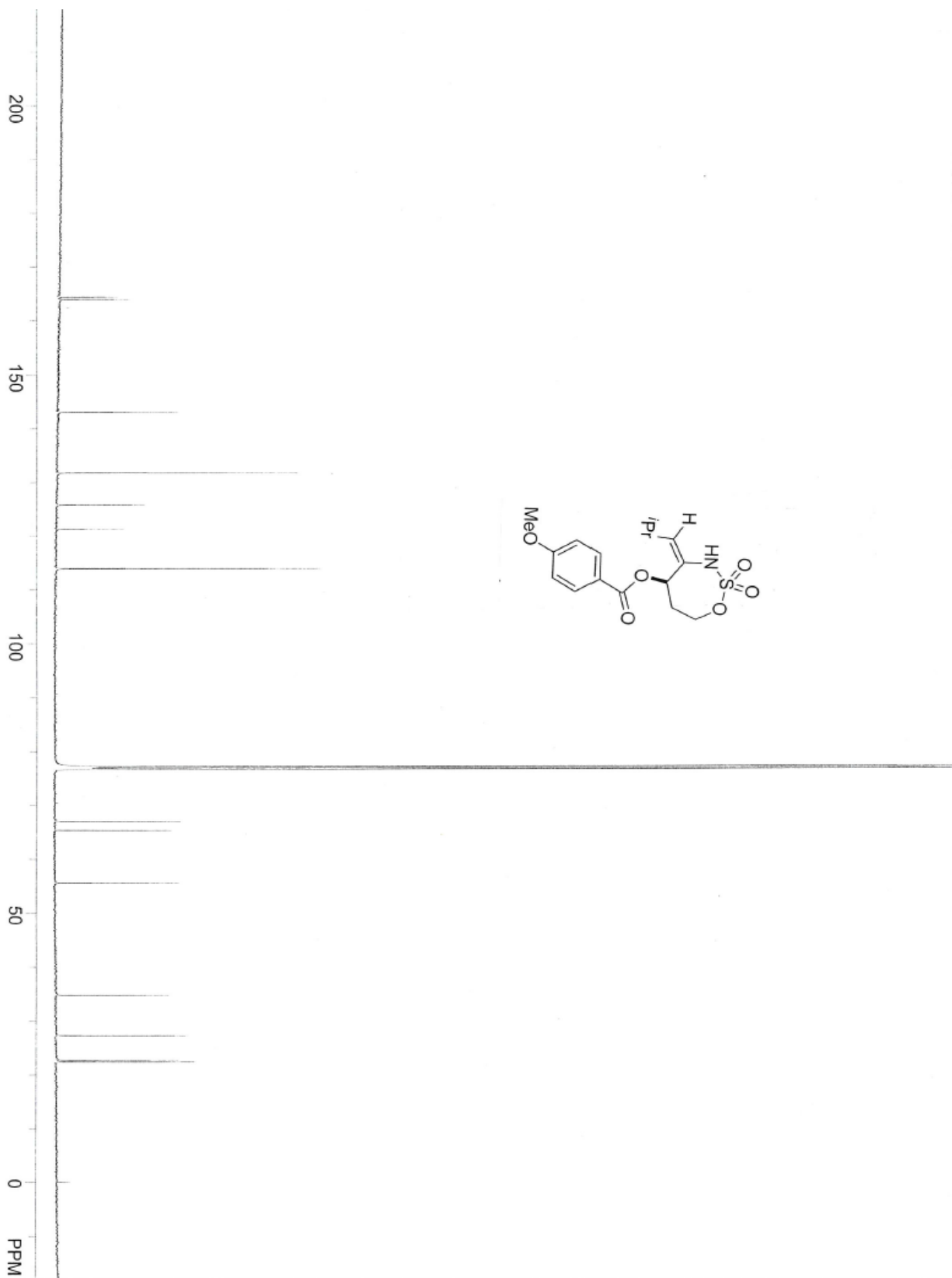
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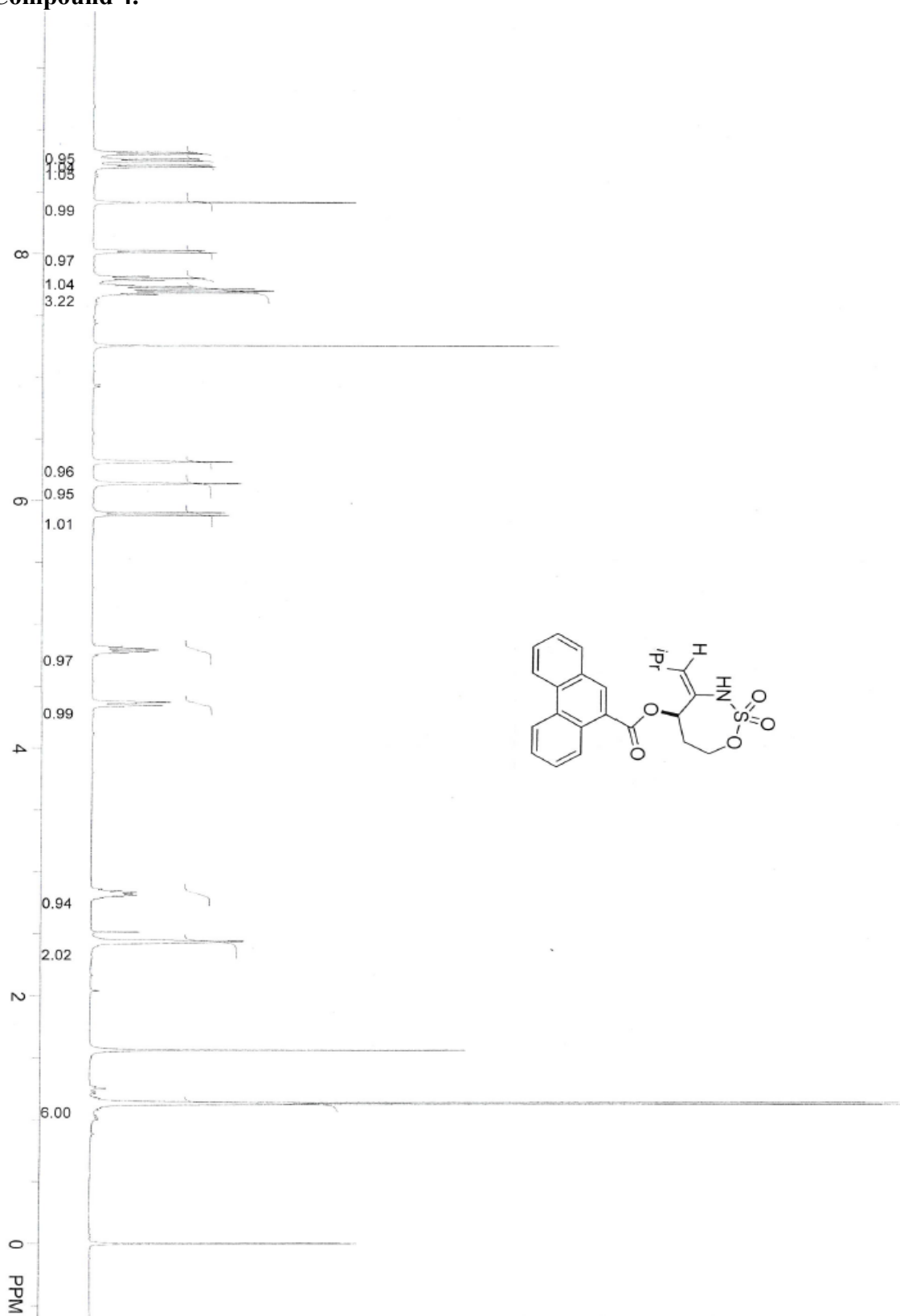


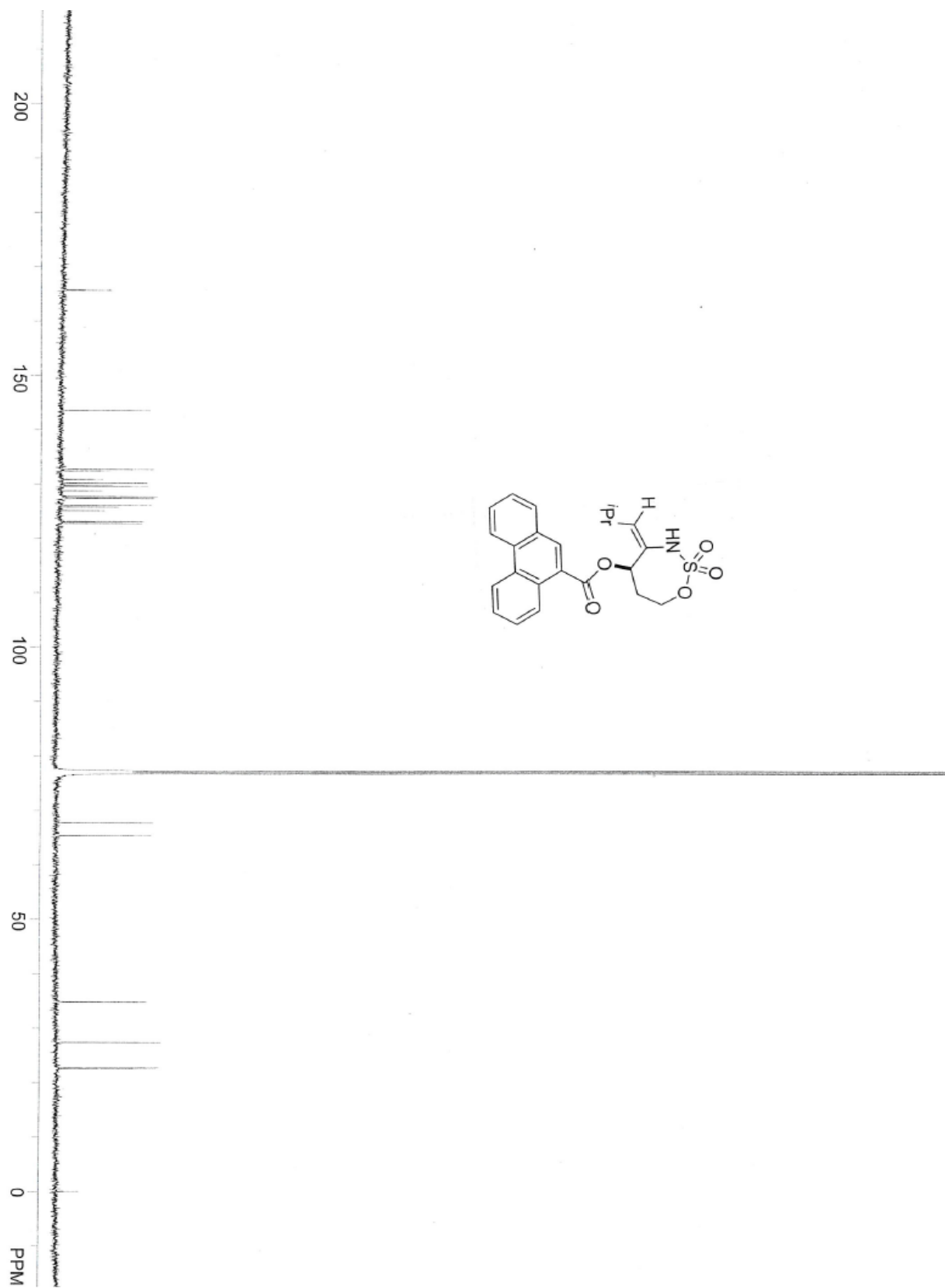
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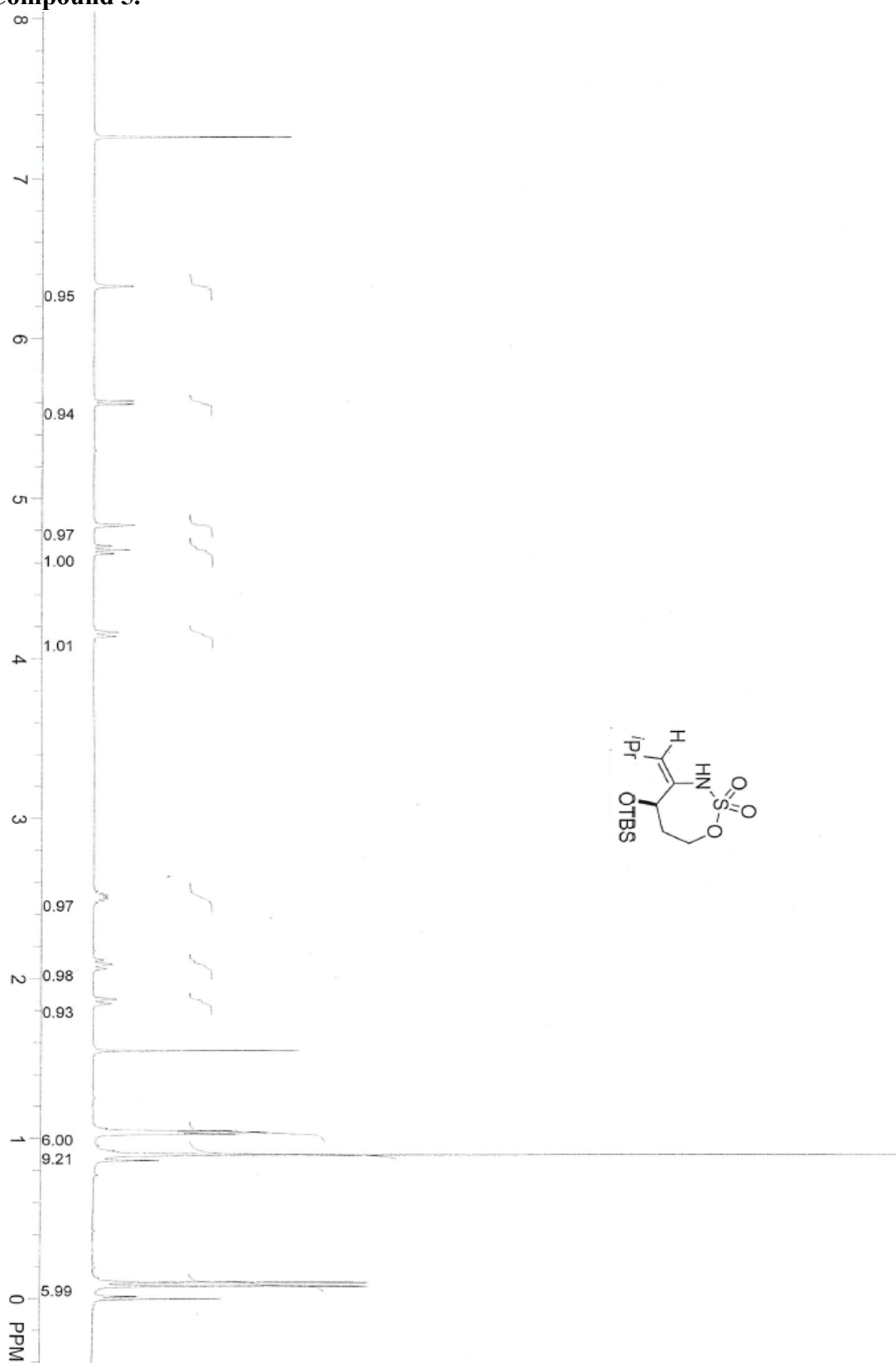


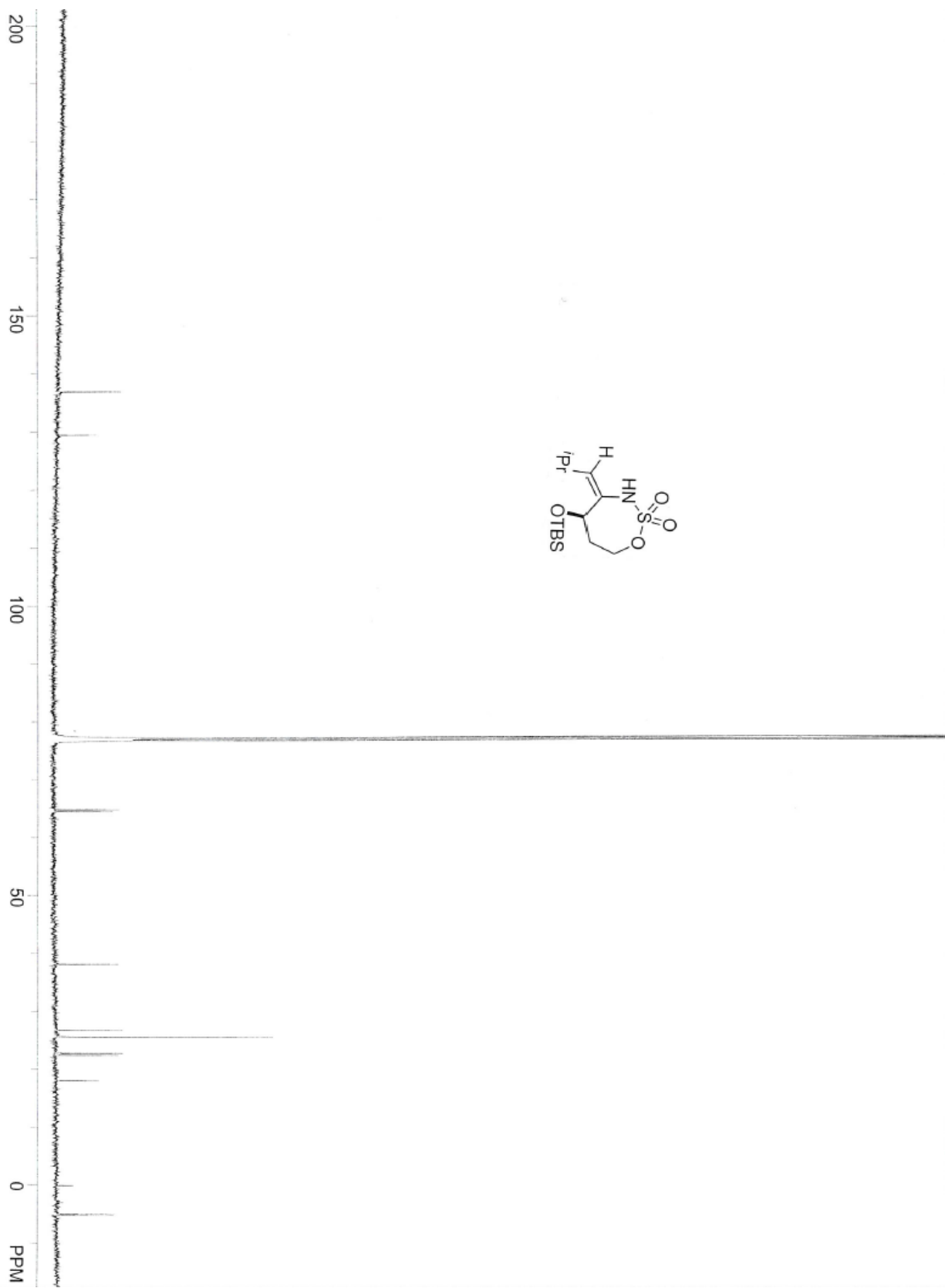
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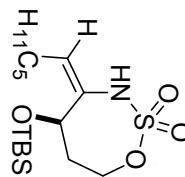
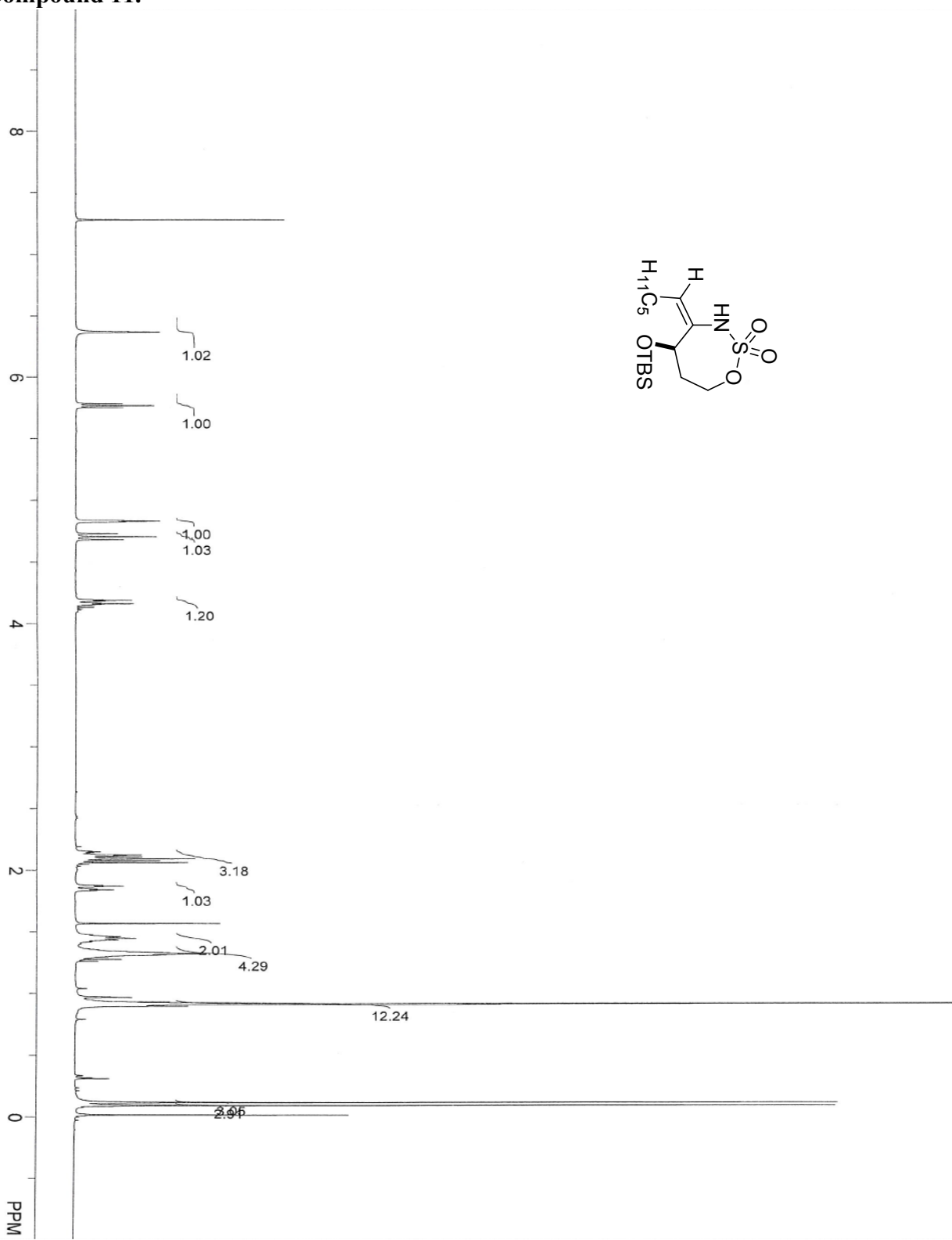


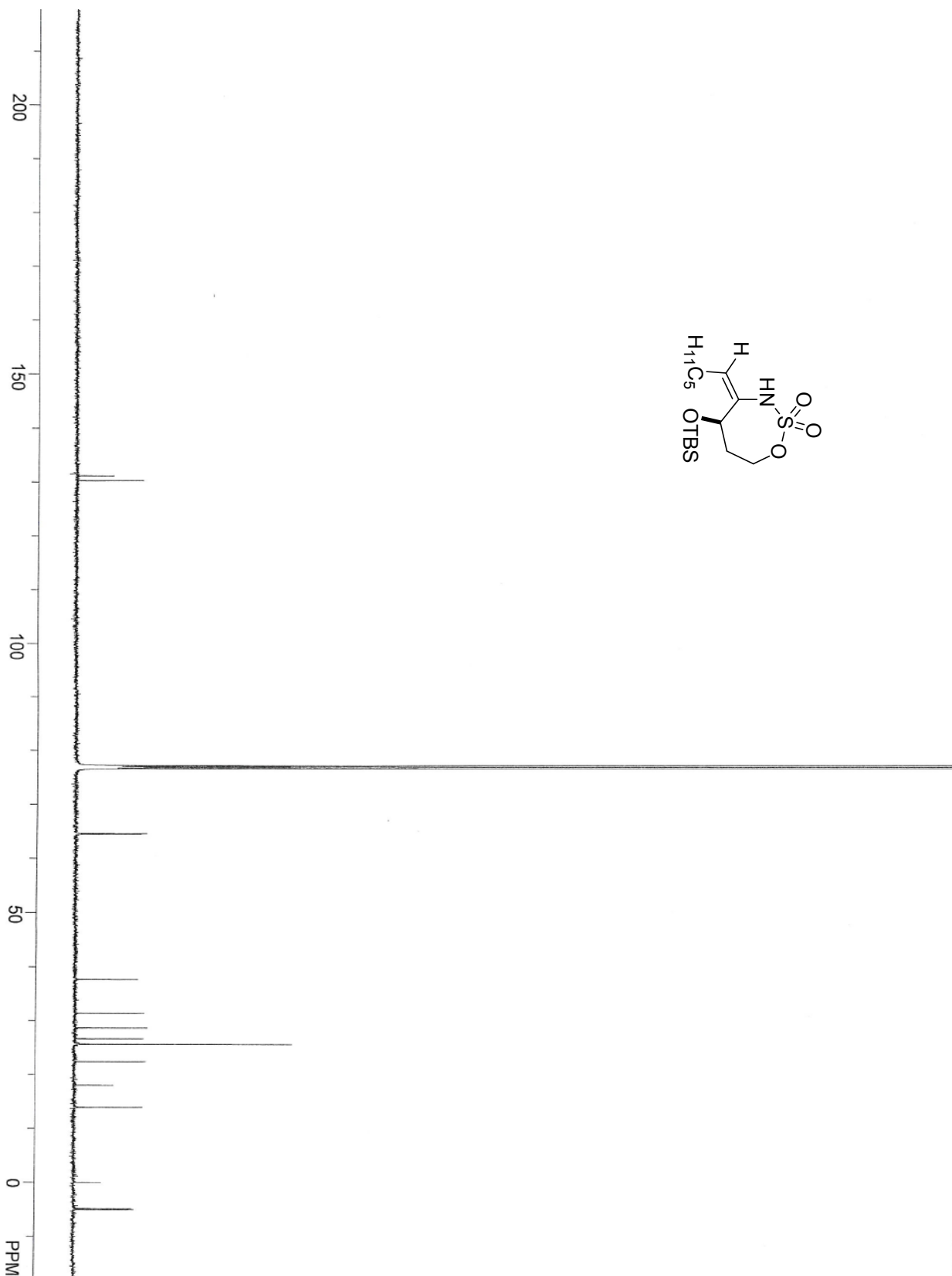
Compound 5.



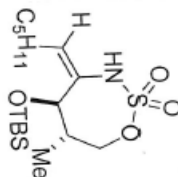
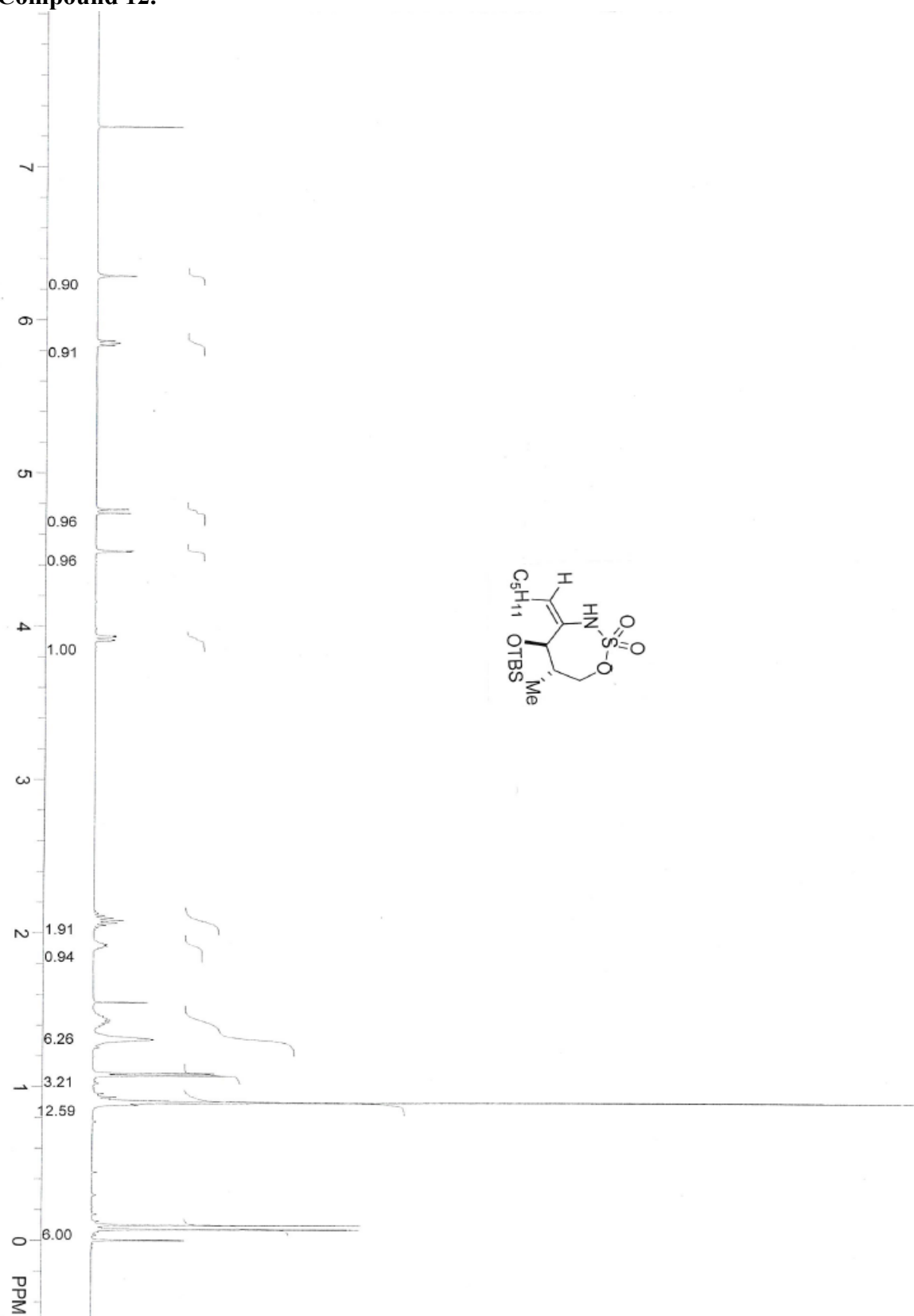


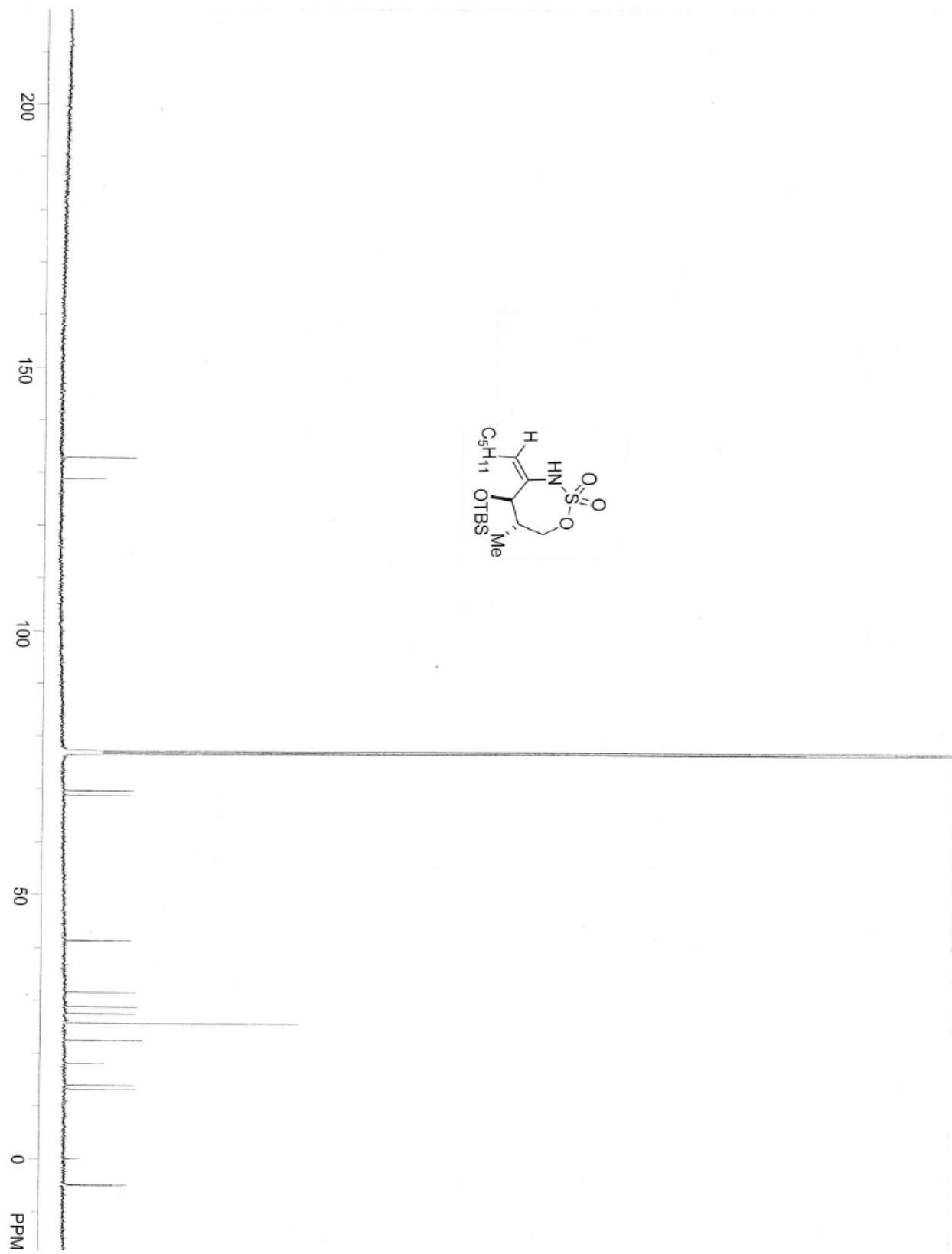
Compound 11.



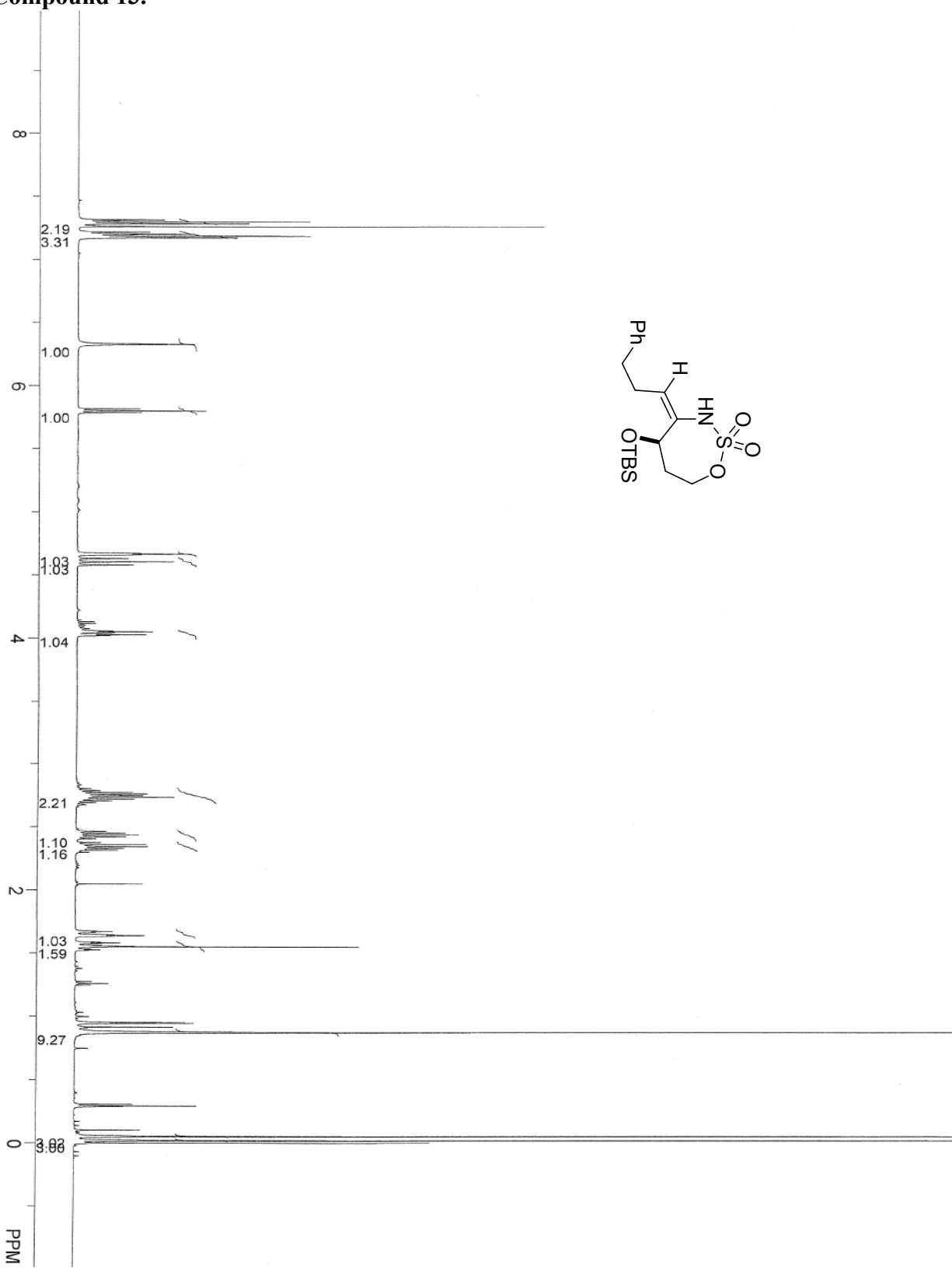


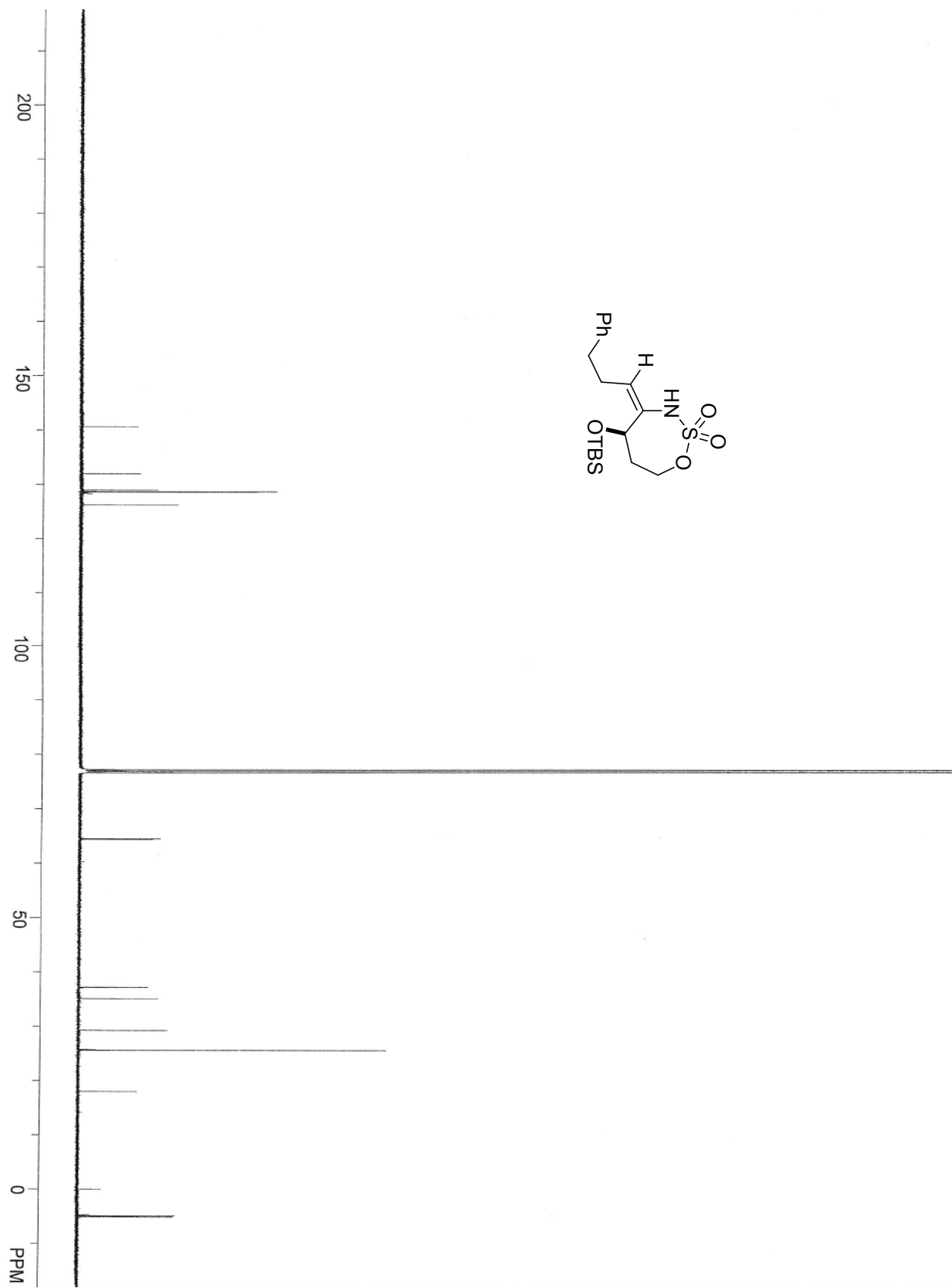
Compound 12.



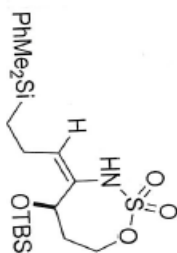
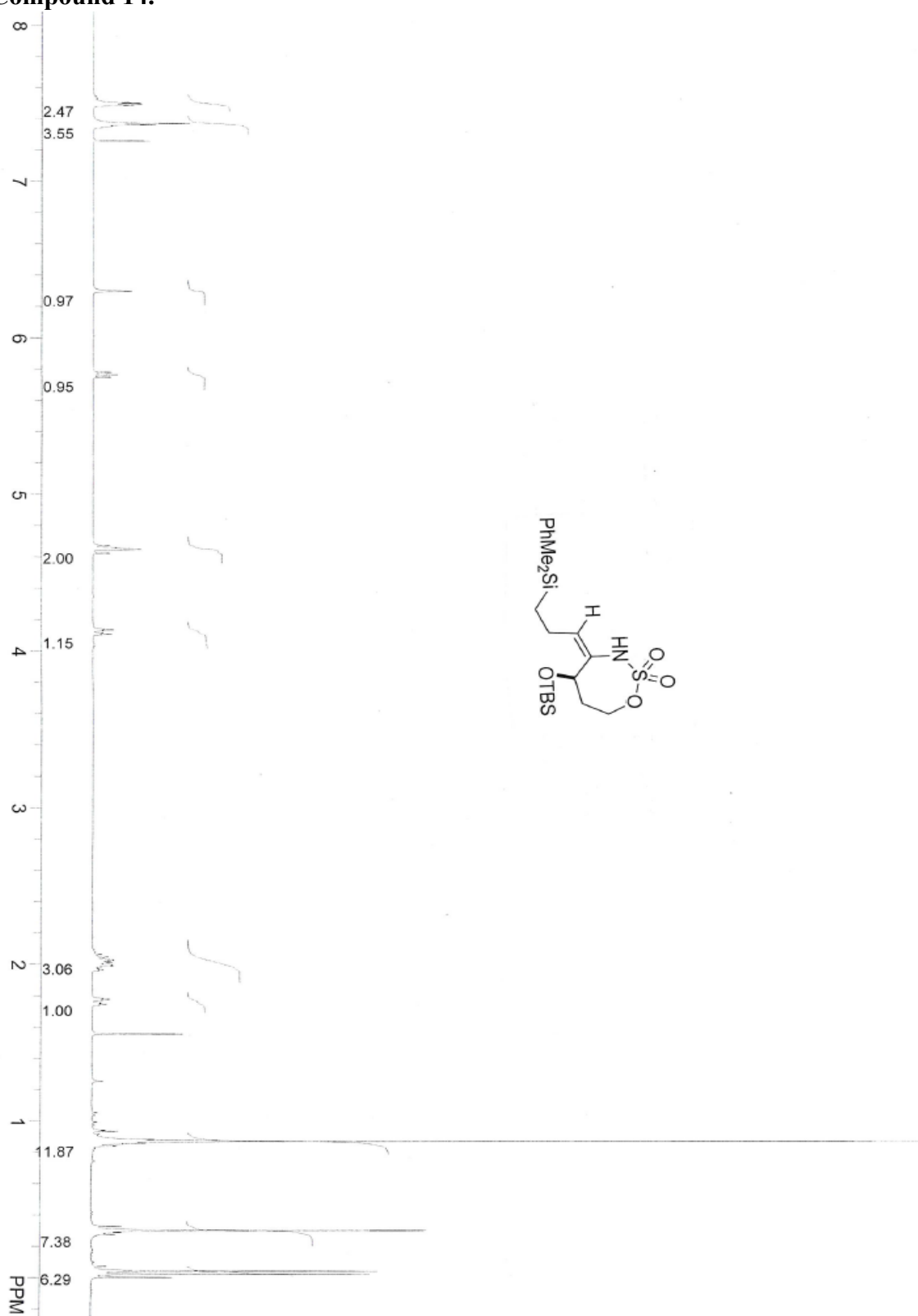


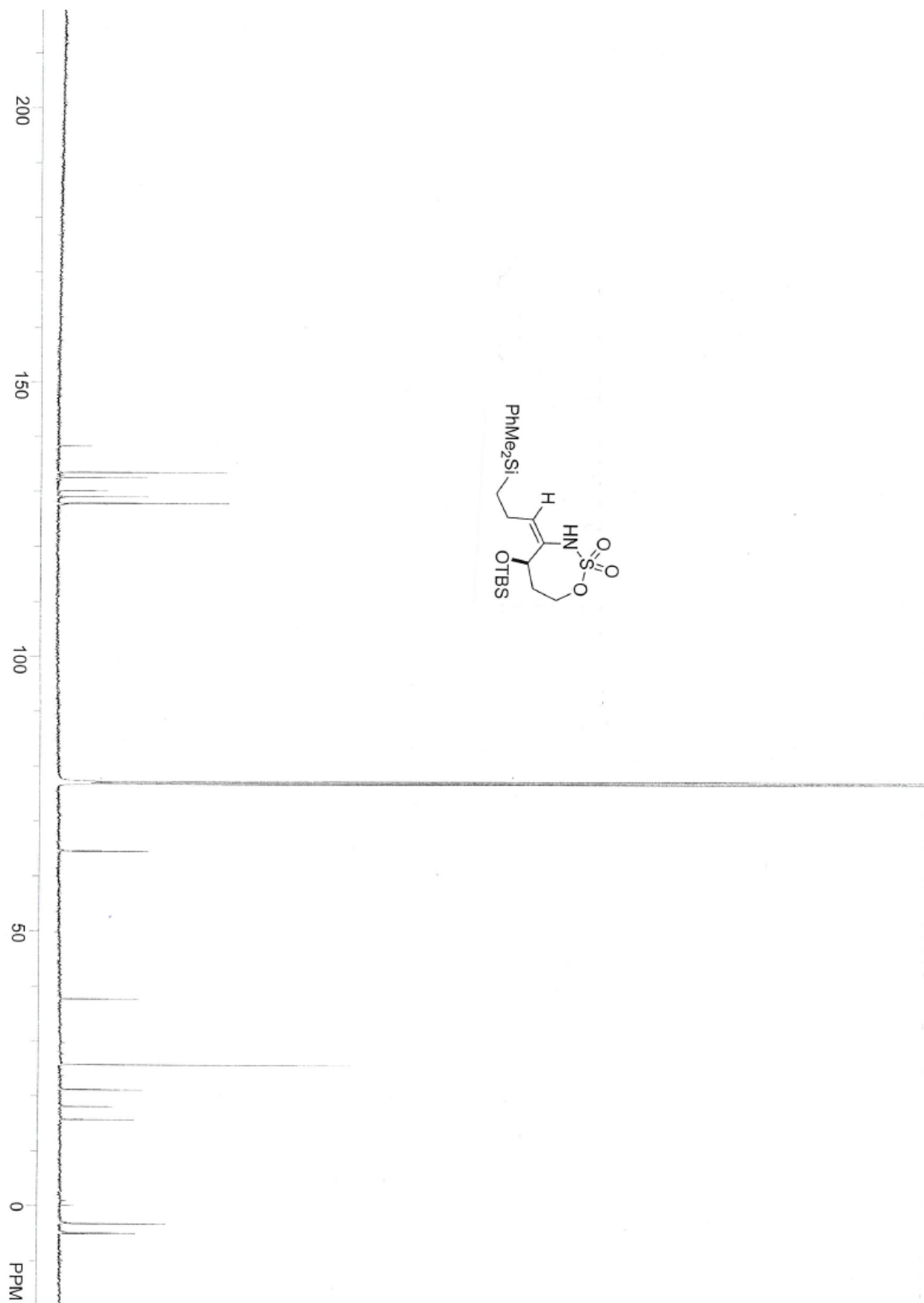
Compound 13.





Compound 14.





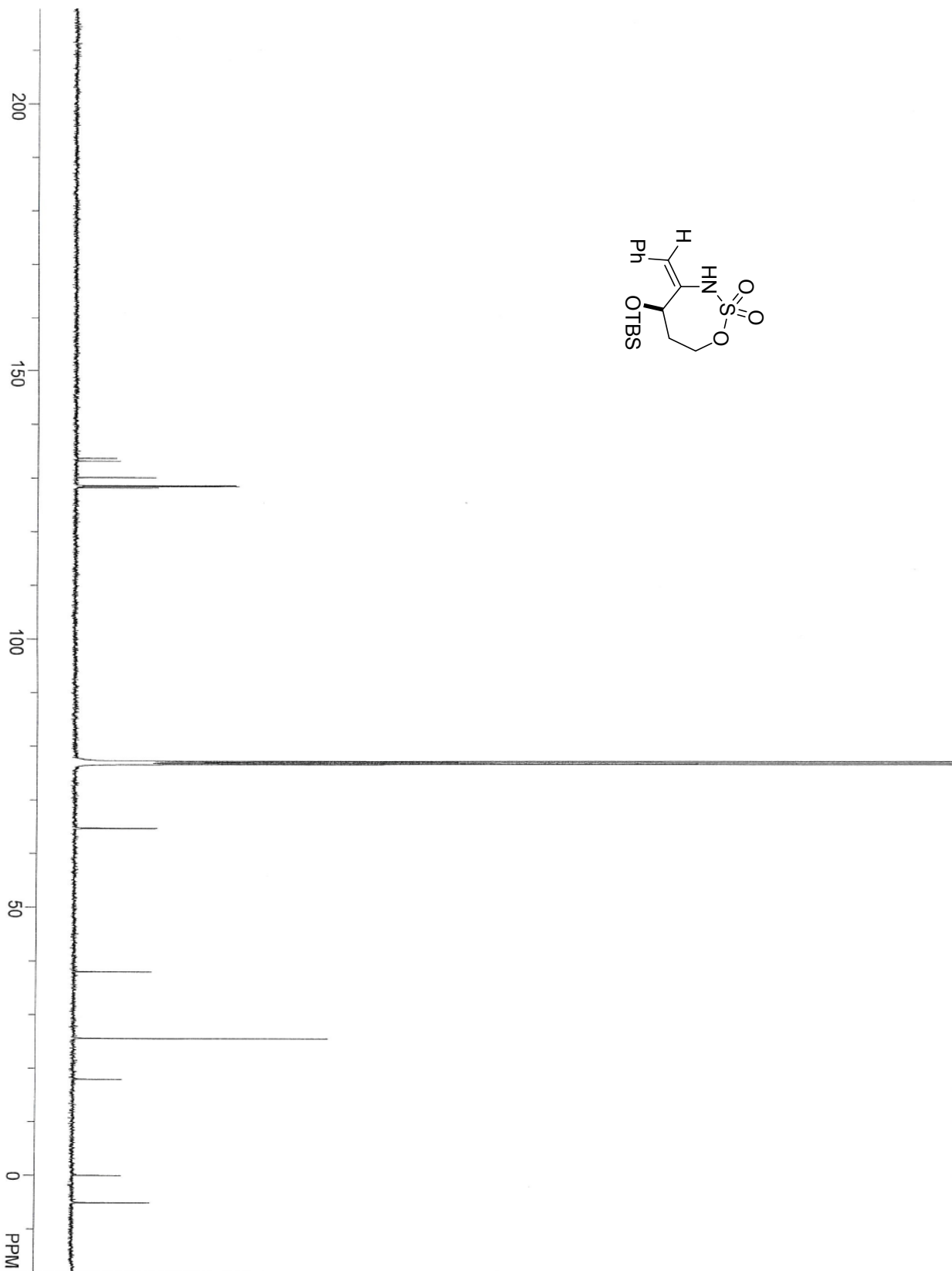
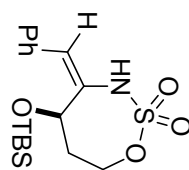
Compound 13:

Chemical structure of Compound 13:

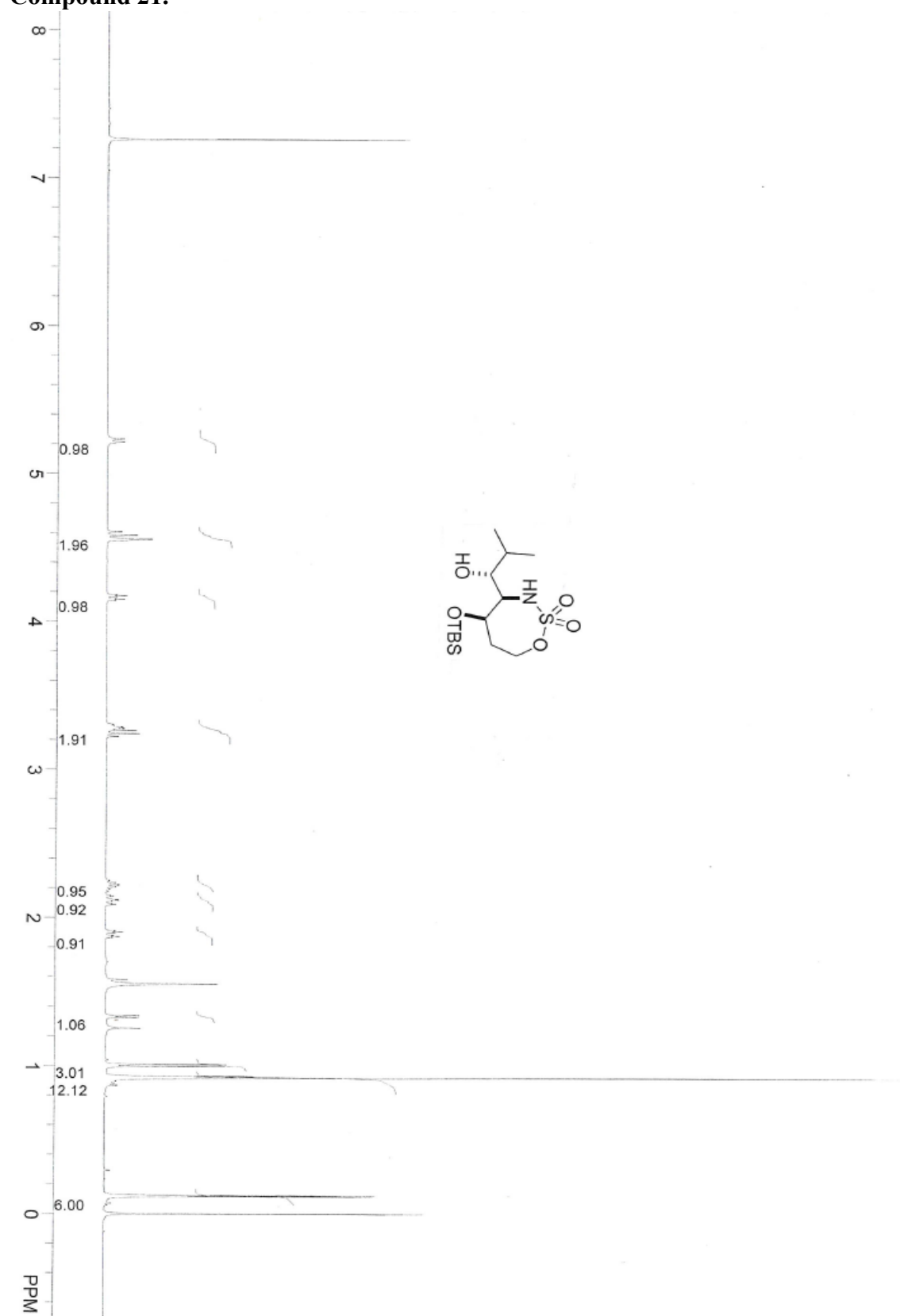
C1=CC=C(C=C1)C=C2C(S(=O)(=O)N2)C[C@@H](C1=CC=C(C=C1))C(C)(C)C(C)(C)C(C)(C)C

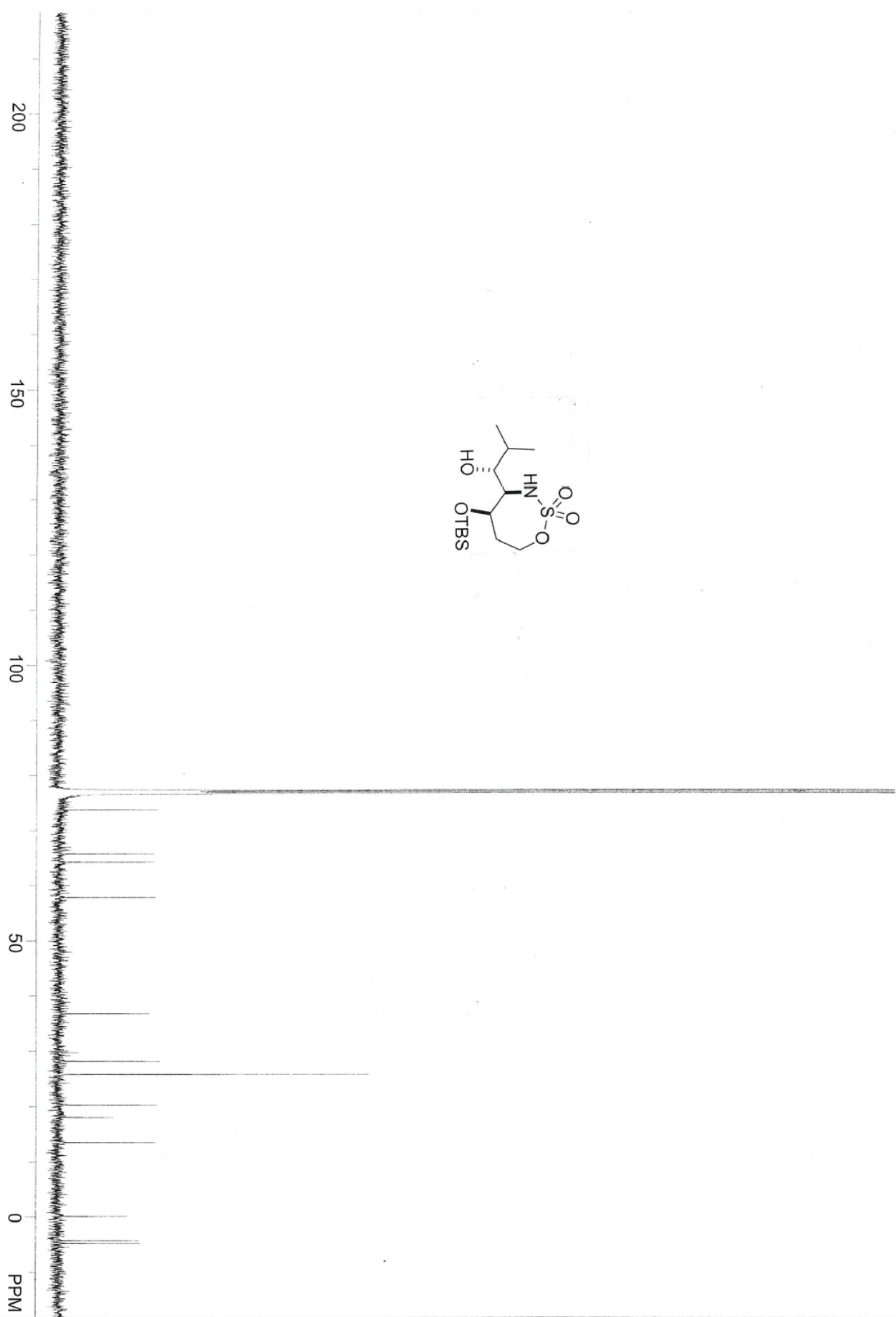
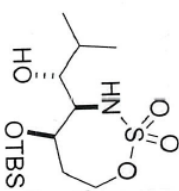
¹H NMR spectrum (CDCl₃) data:

Chemical Shift (ppm)	Integration
7.40 - 7.50	0.99
7.30 - 7.40	0.99
7.20 - 7.30	0.99
7.10 - 7.20	1.96
6.50	0.95
4.50	0.98
1.00 - 1.10	1.00
1.00 - 1.10	1.01
1.00 - 1.10	1.00
1.00 - 1.10	1.01
1.00 - 1.10	1.00
0.00	5.85

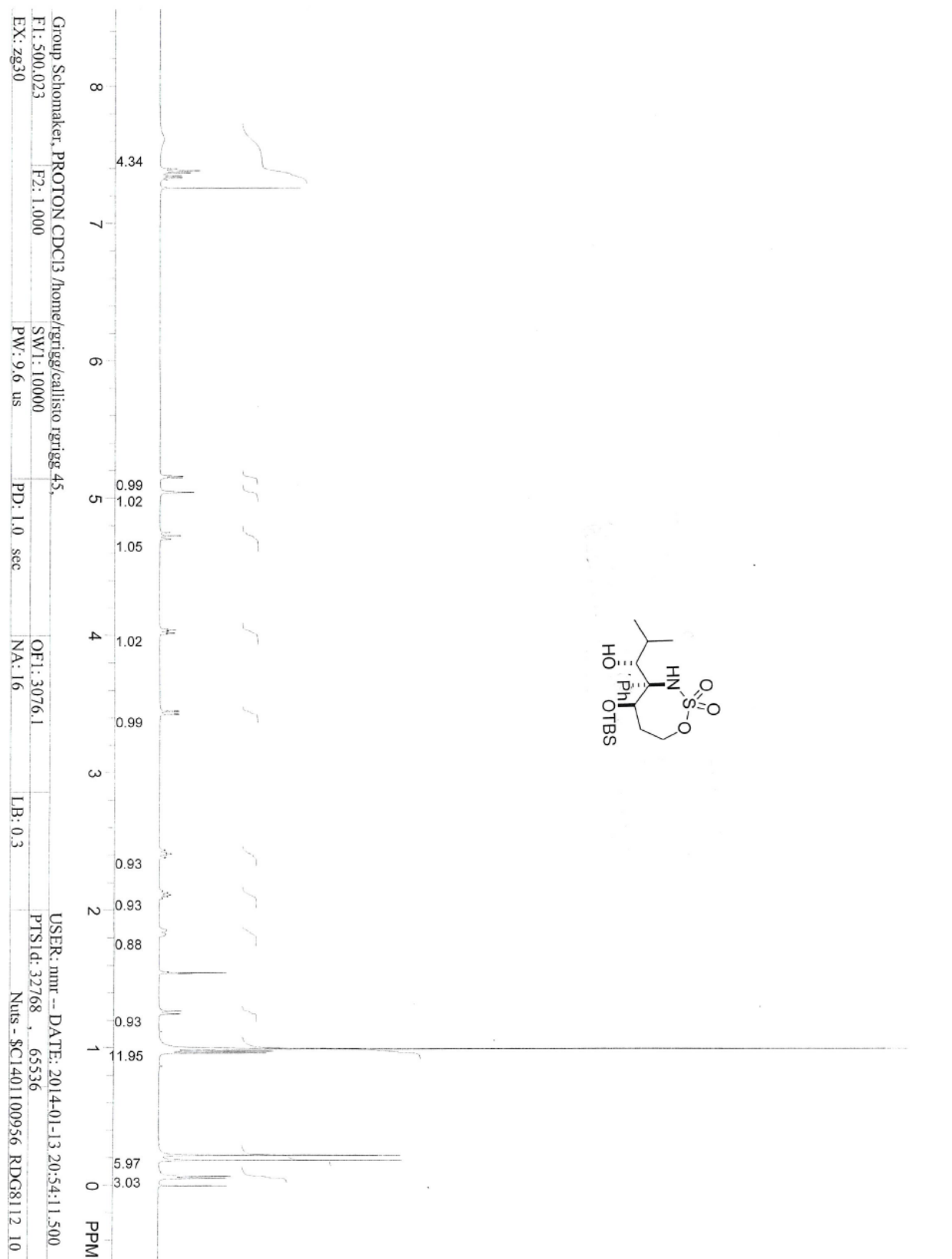


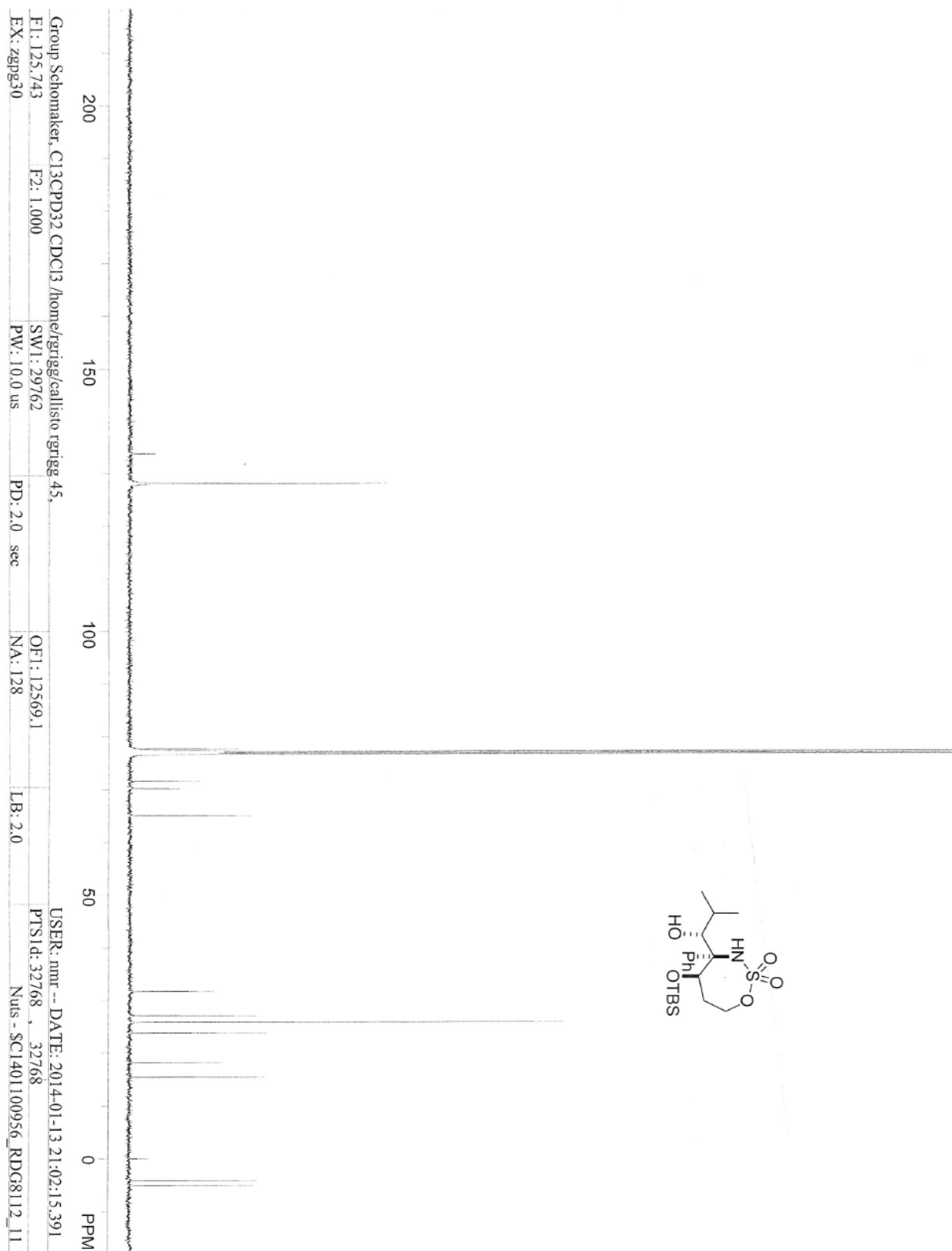
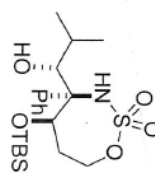
Compound 21.



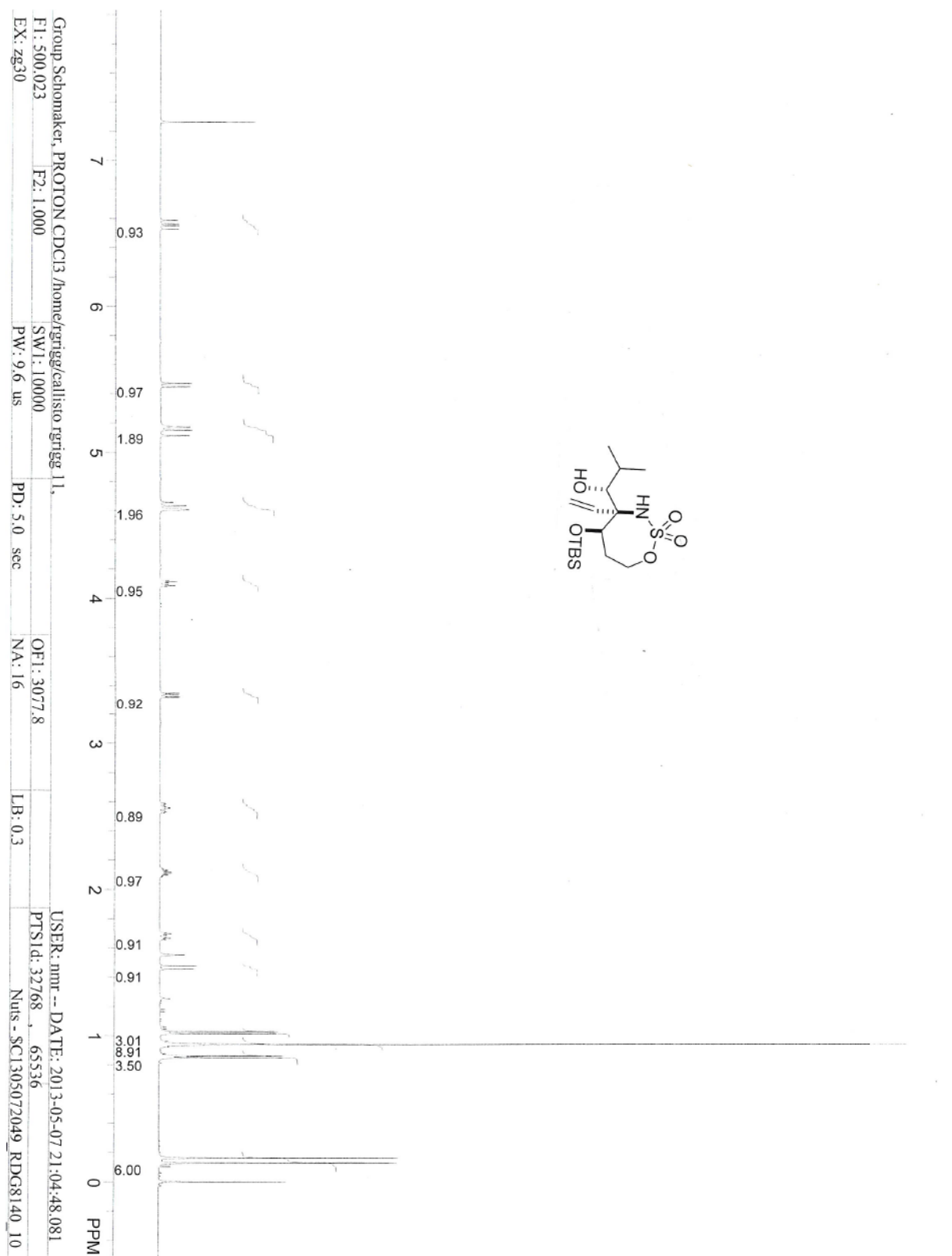


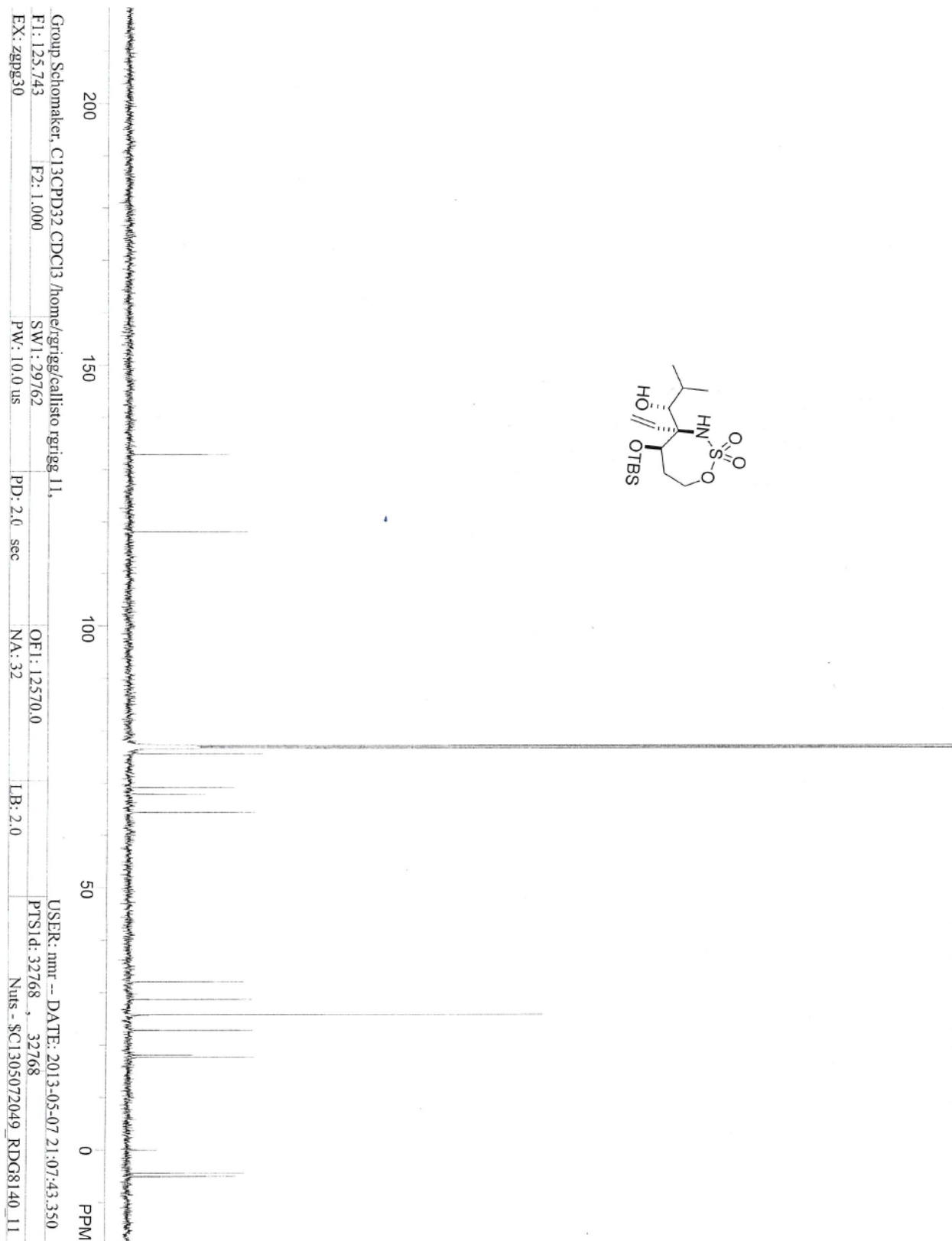
Compound 22.



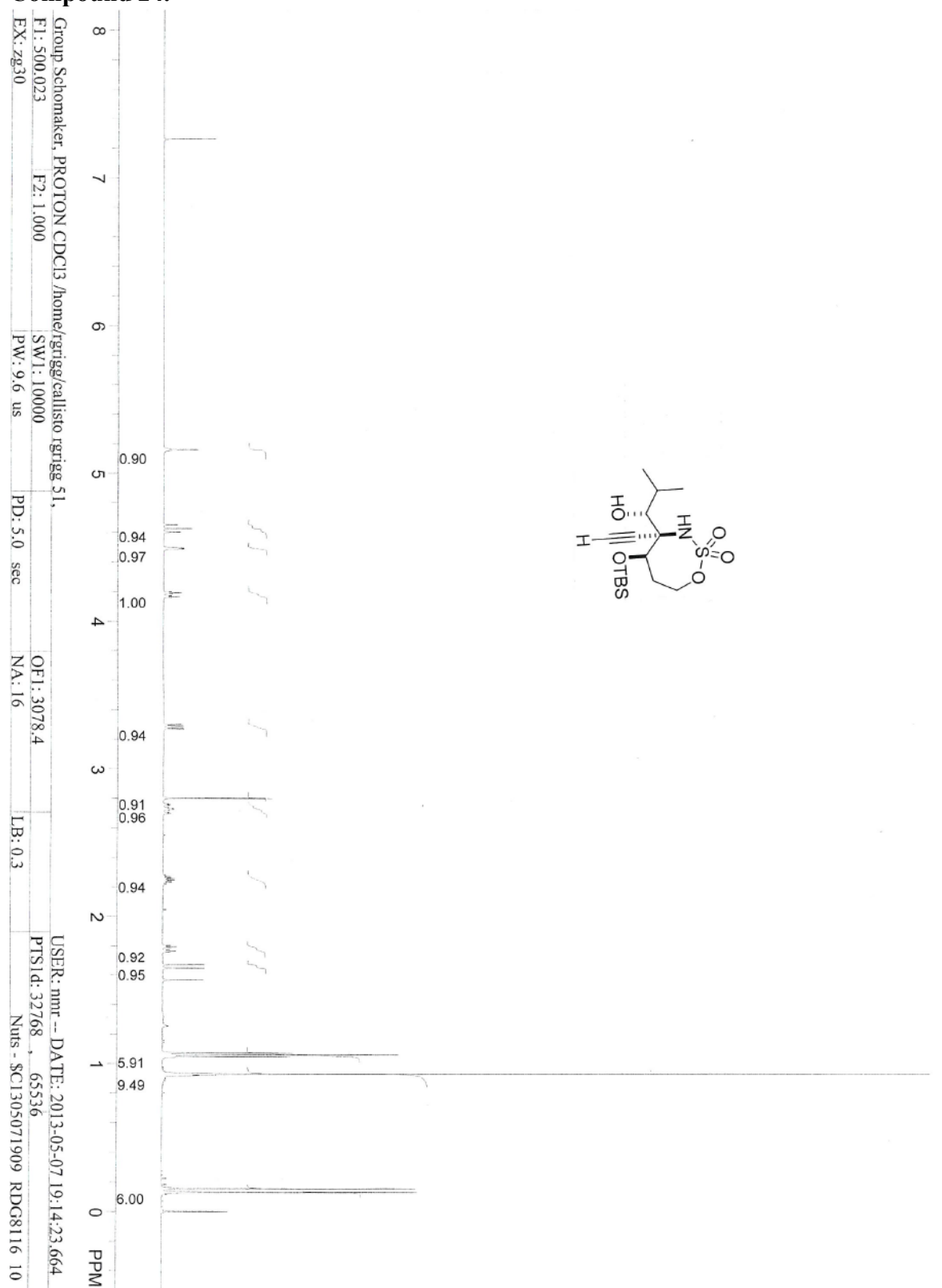
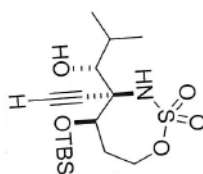


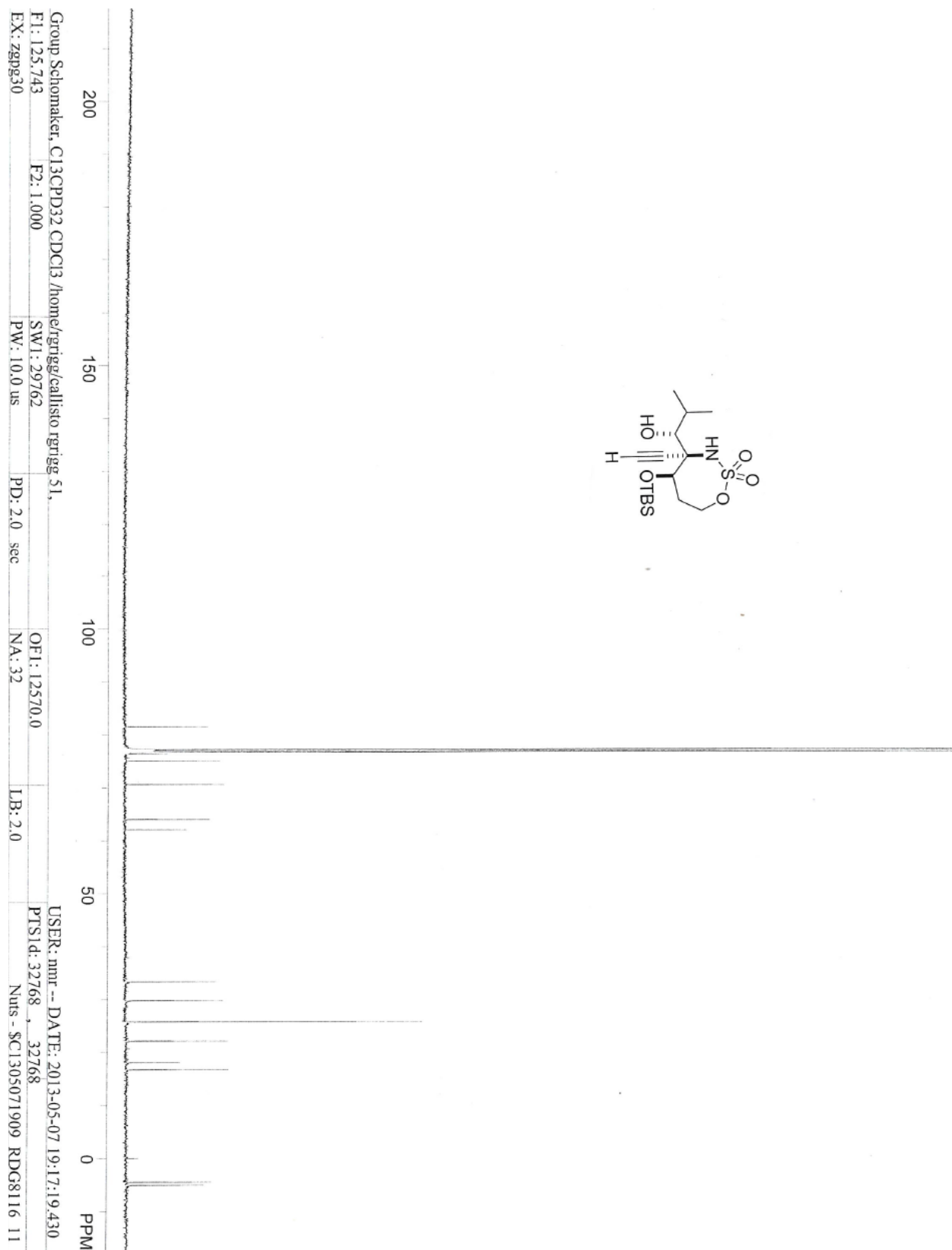
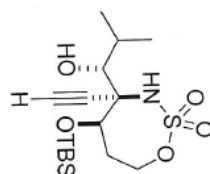
Compound 23.



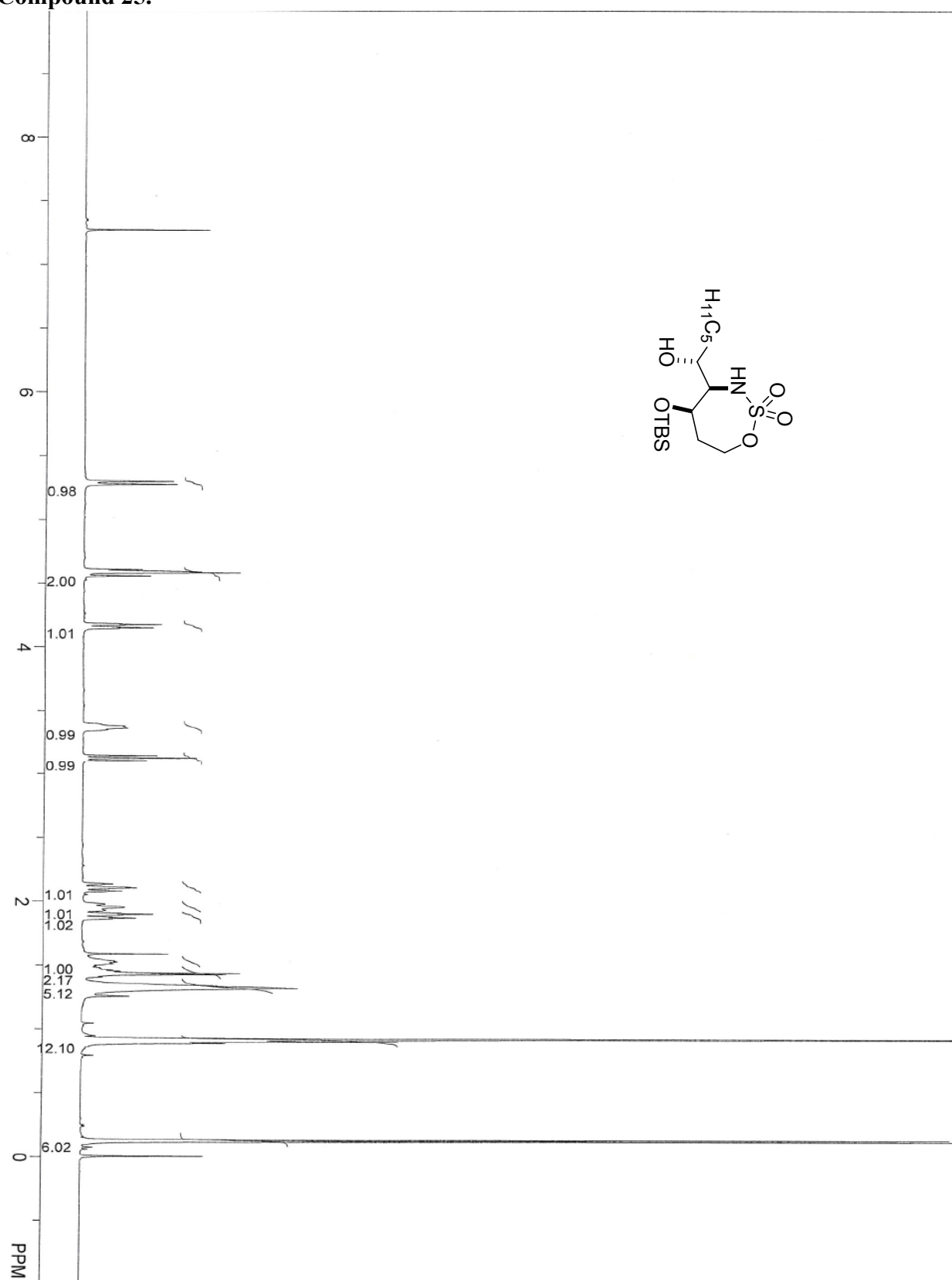


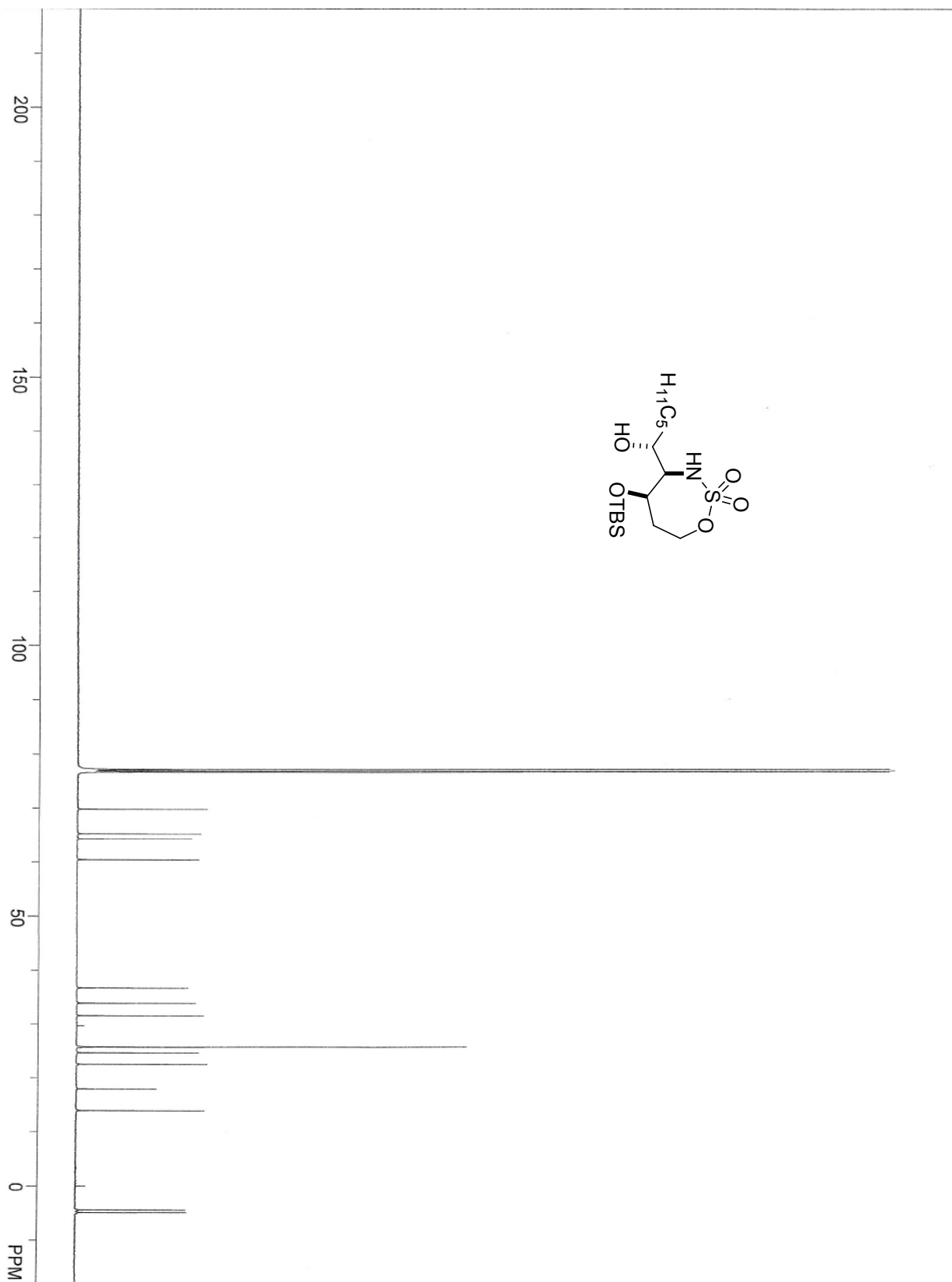
Compound 24.



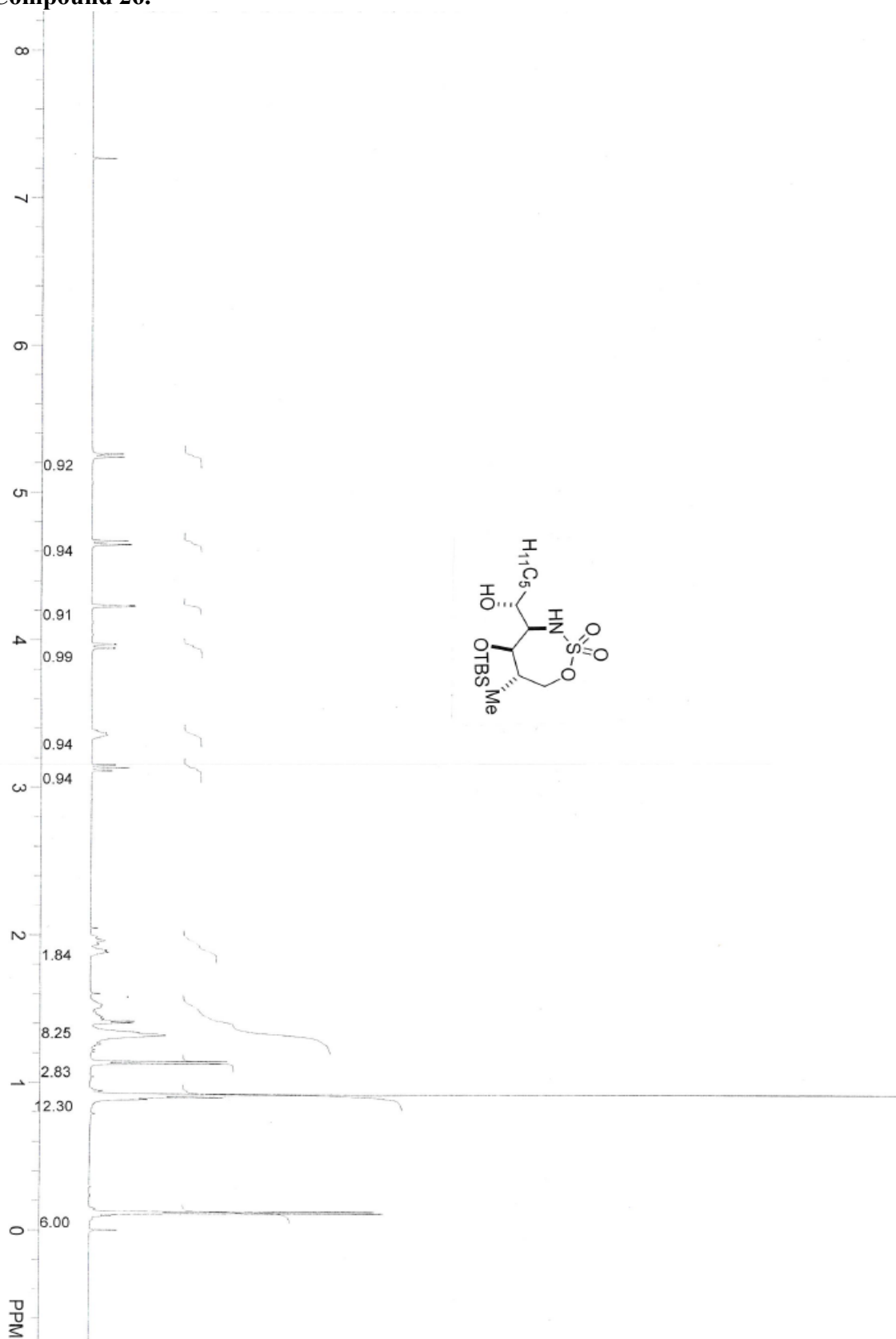


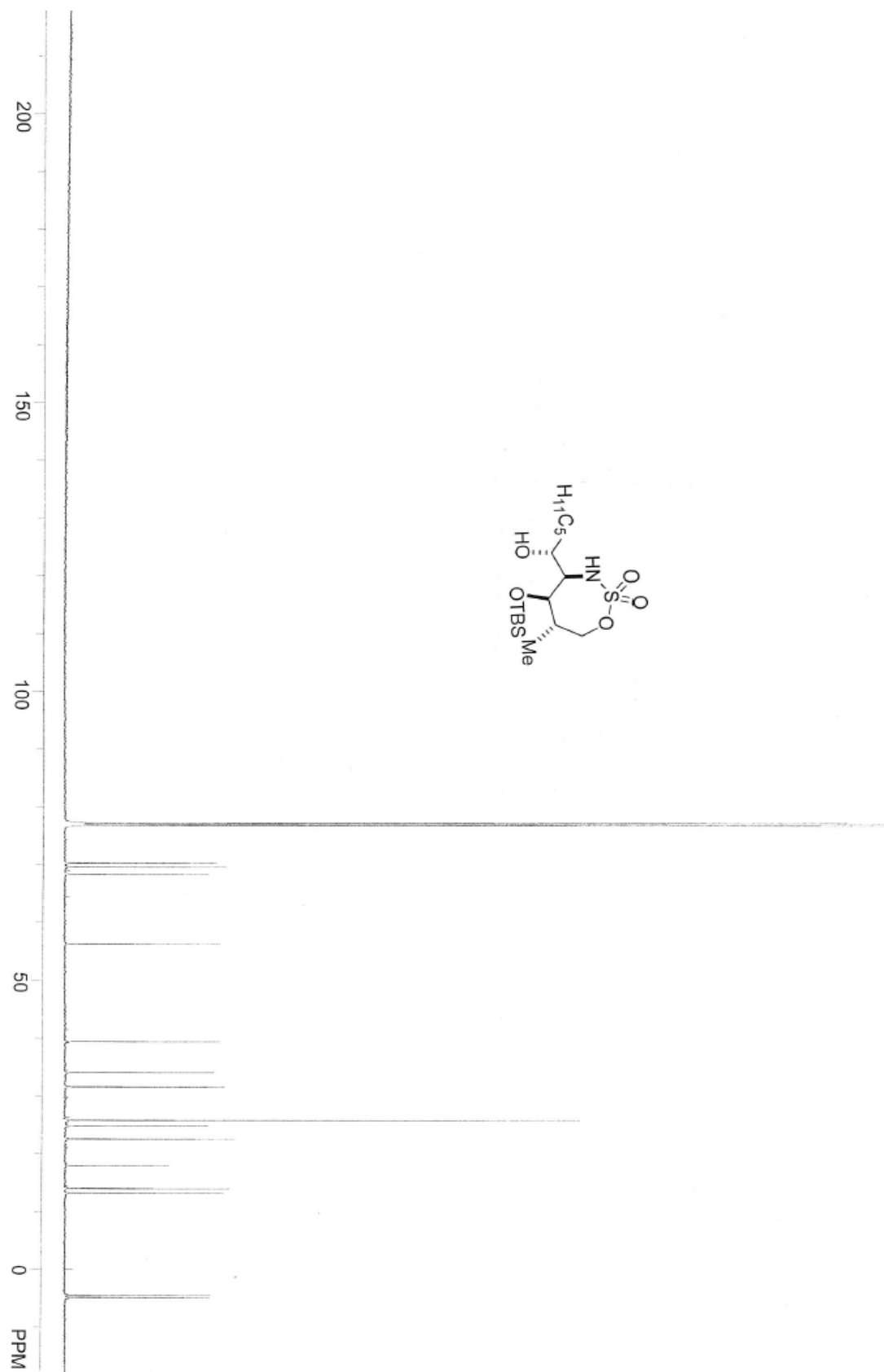
Compound 25.



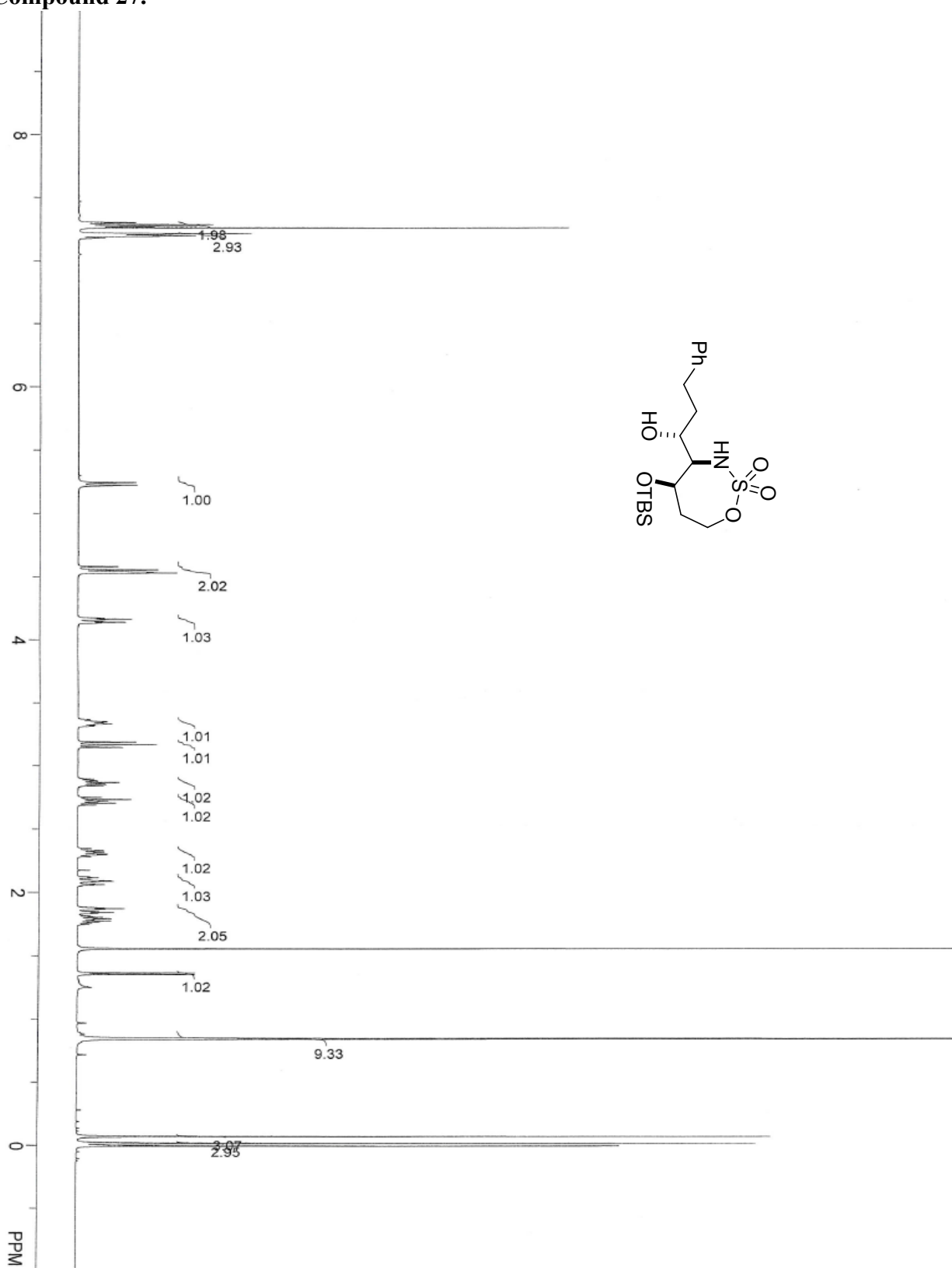


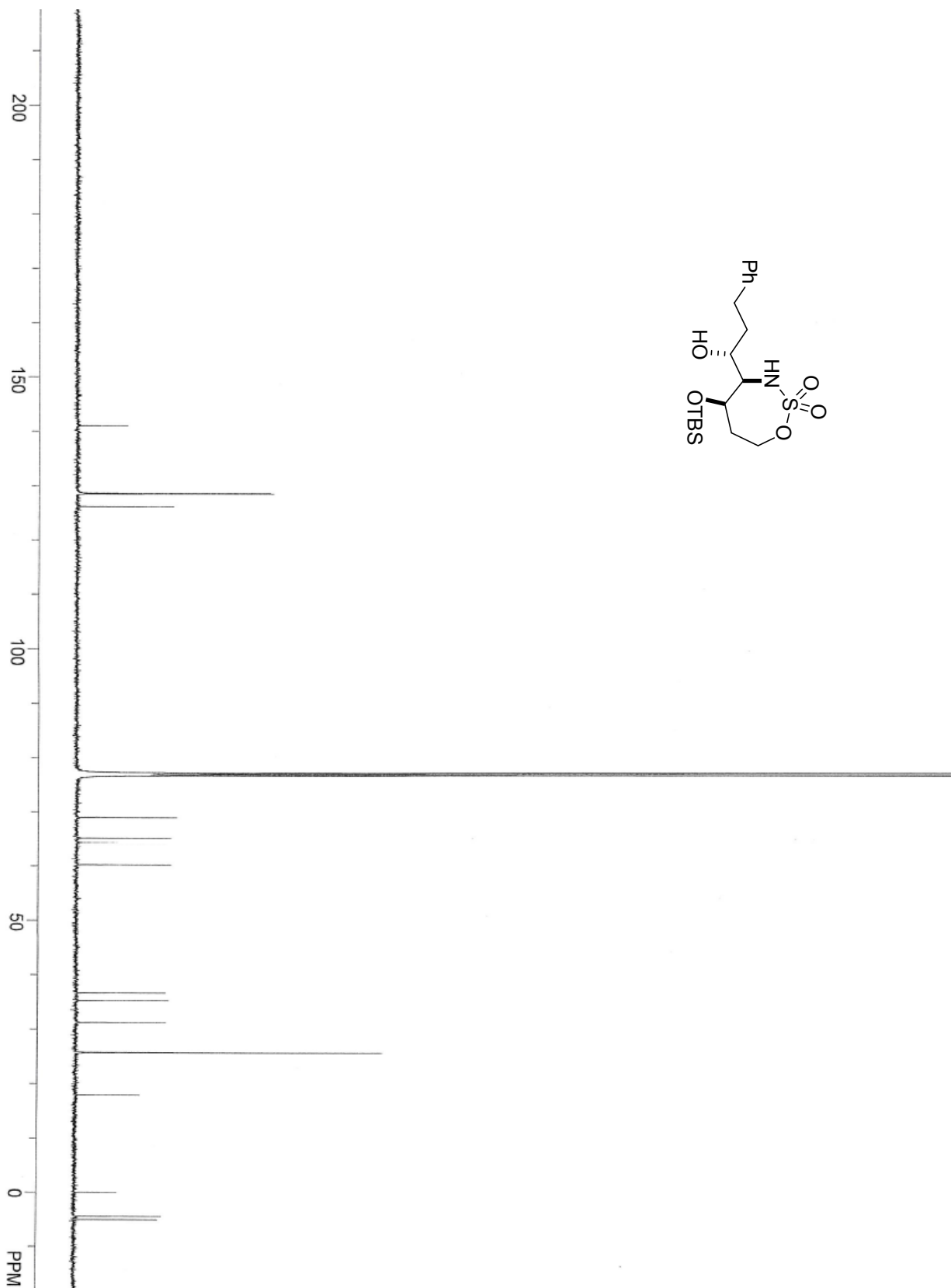
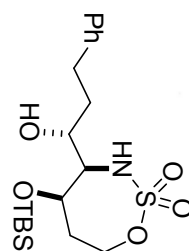
Compound 26.



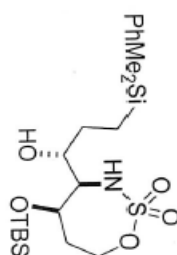
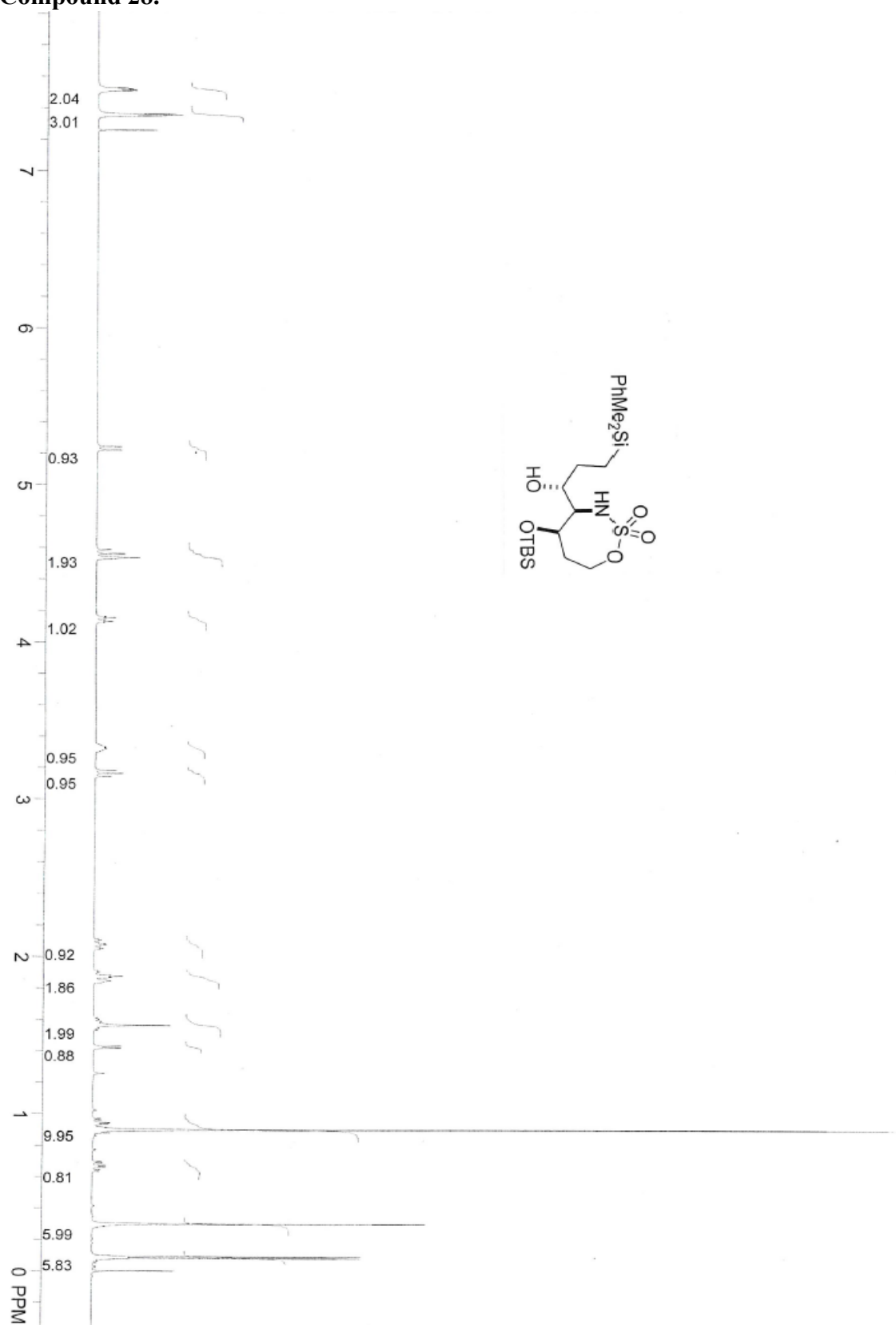


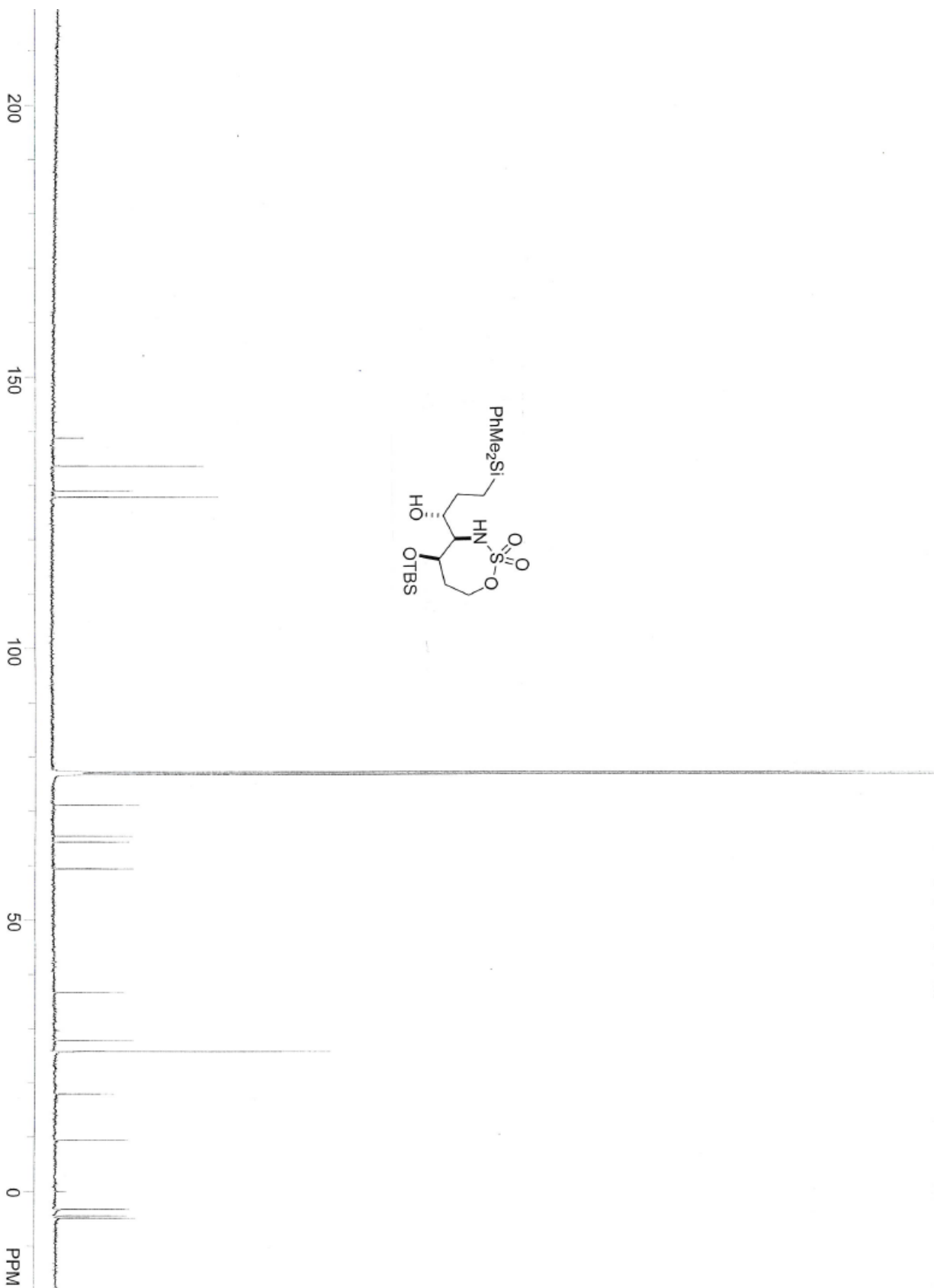
Compound 27.



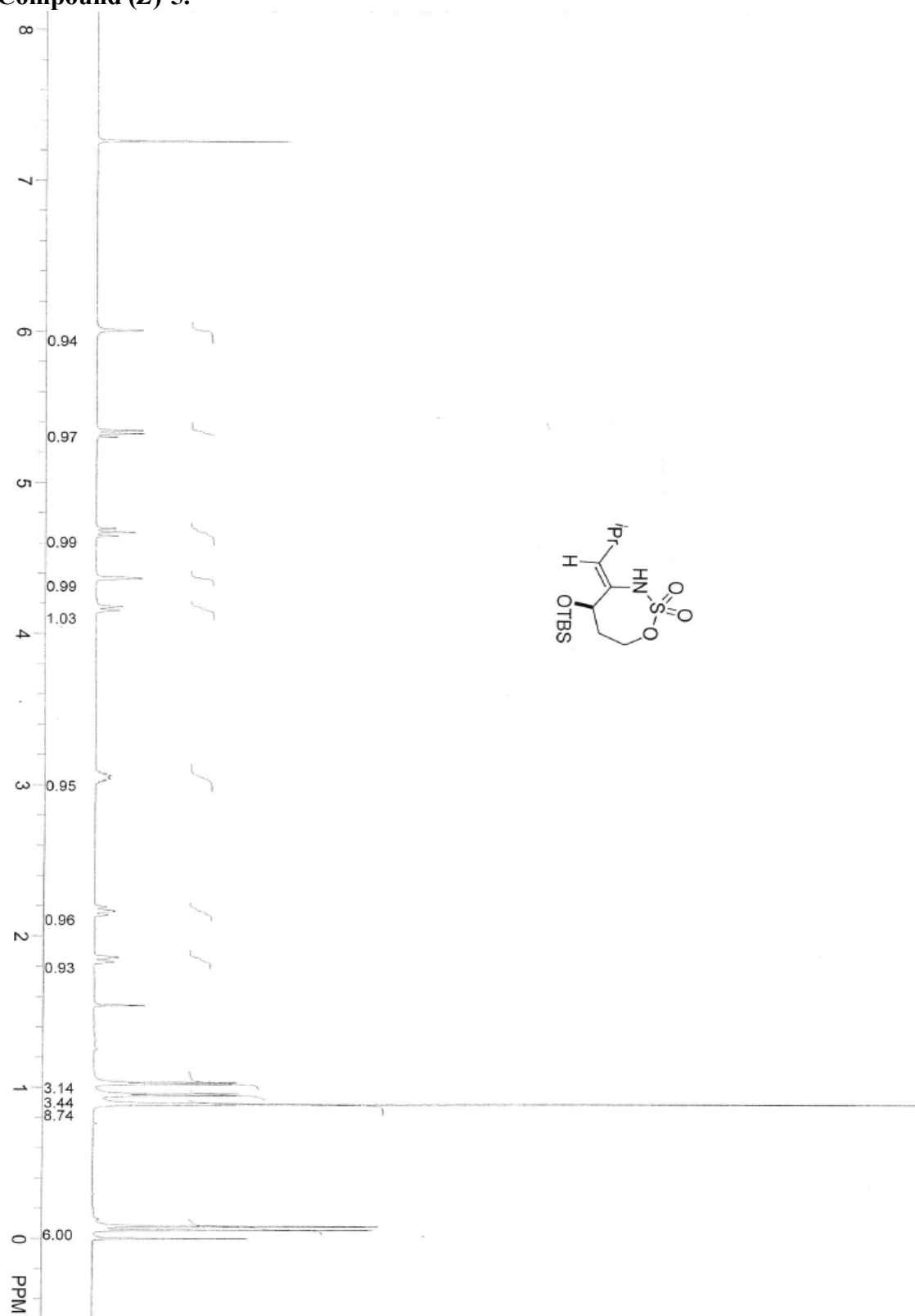


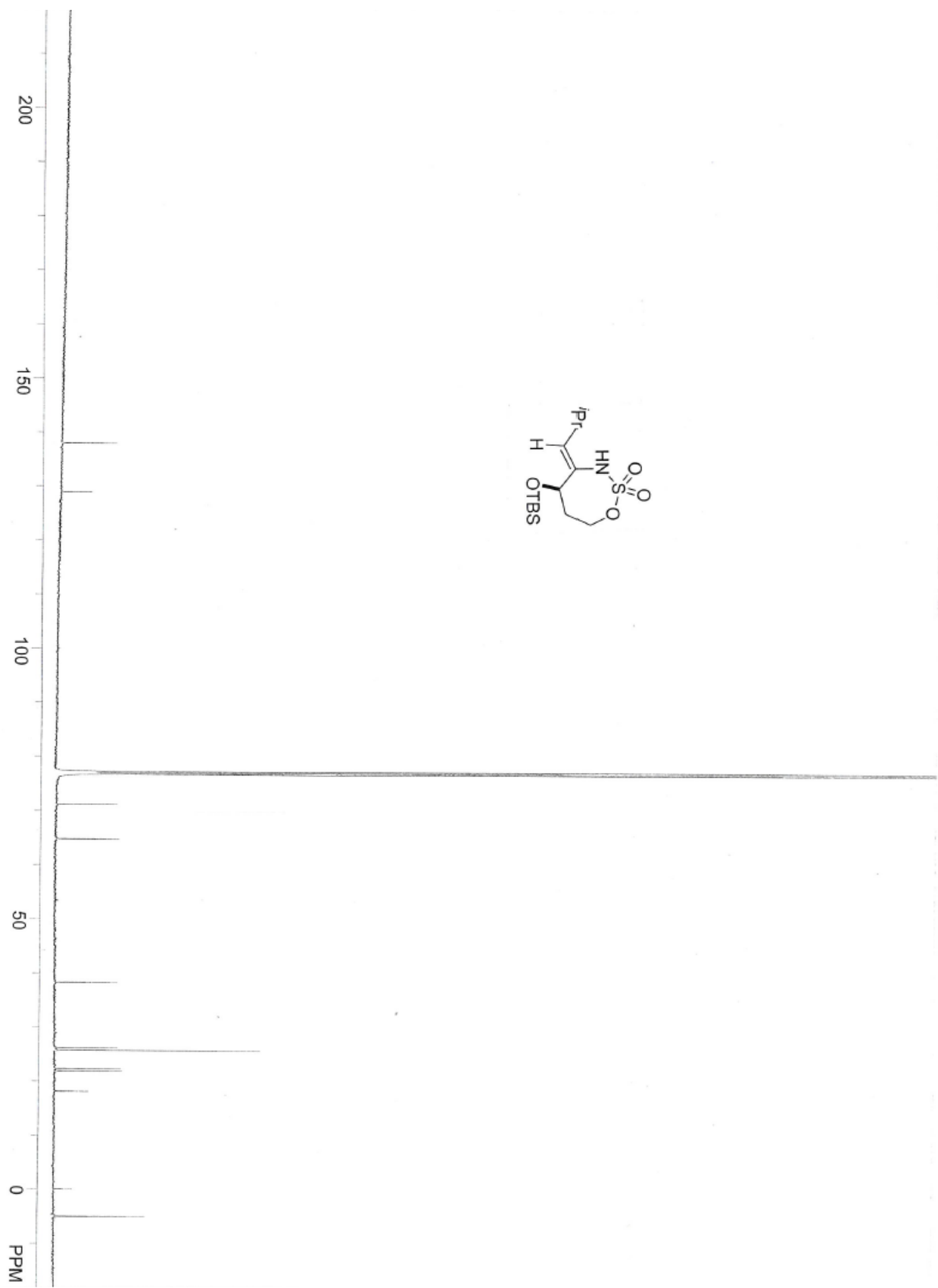
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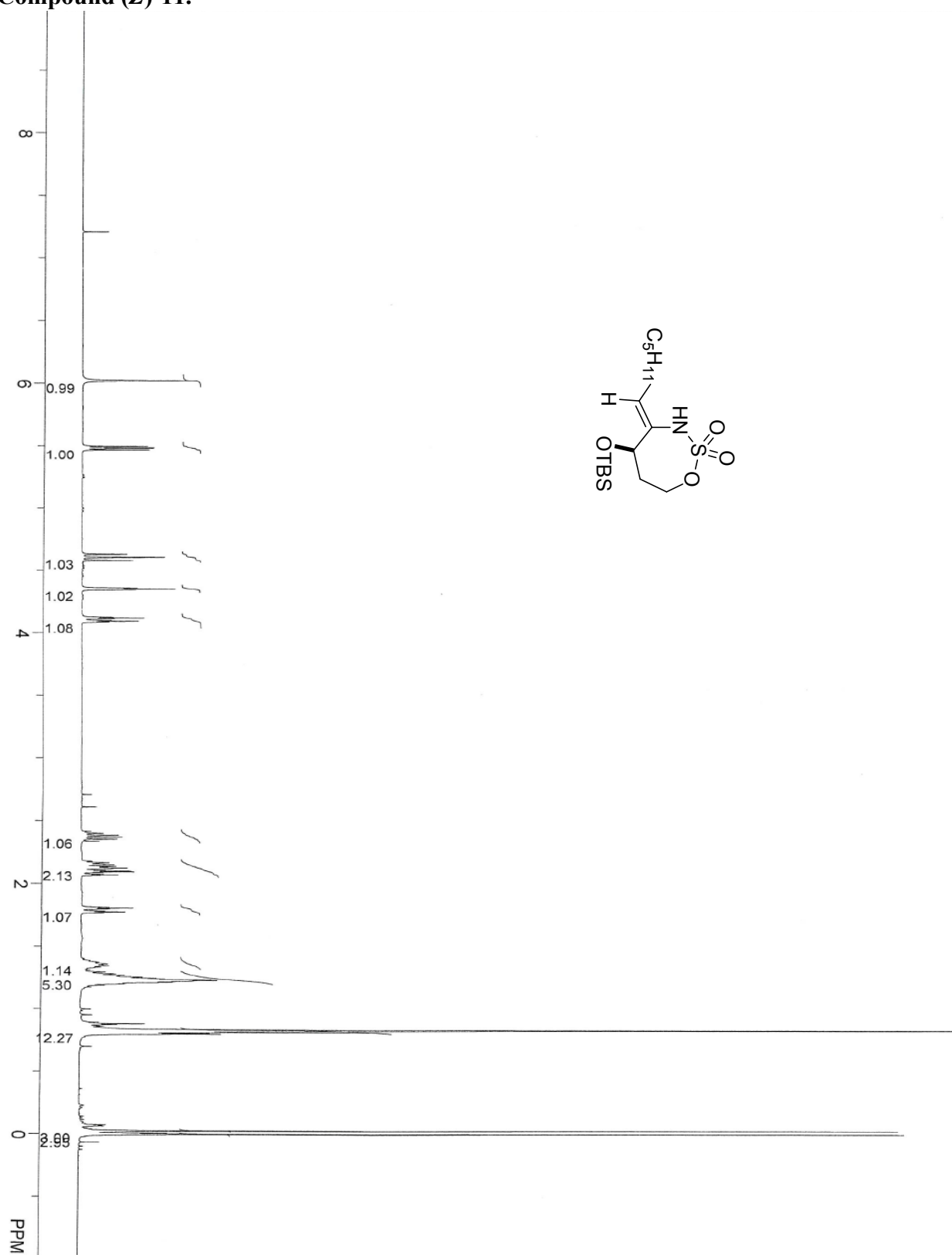


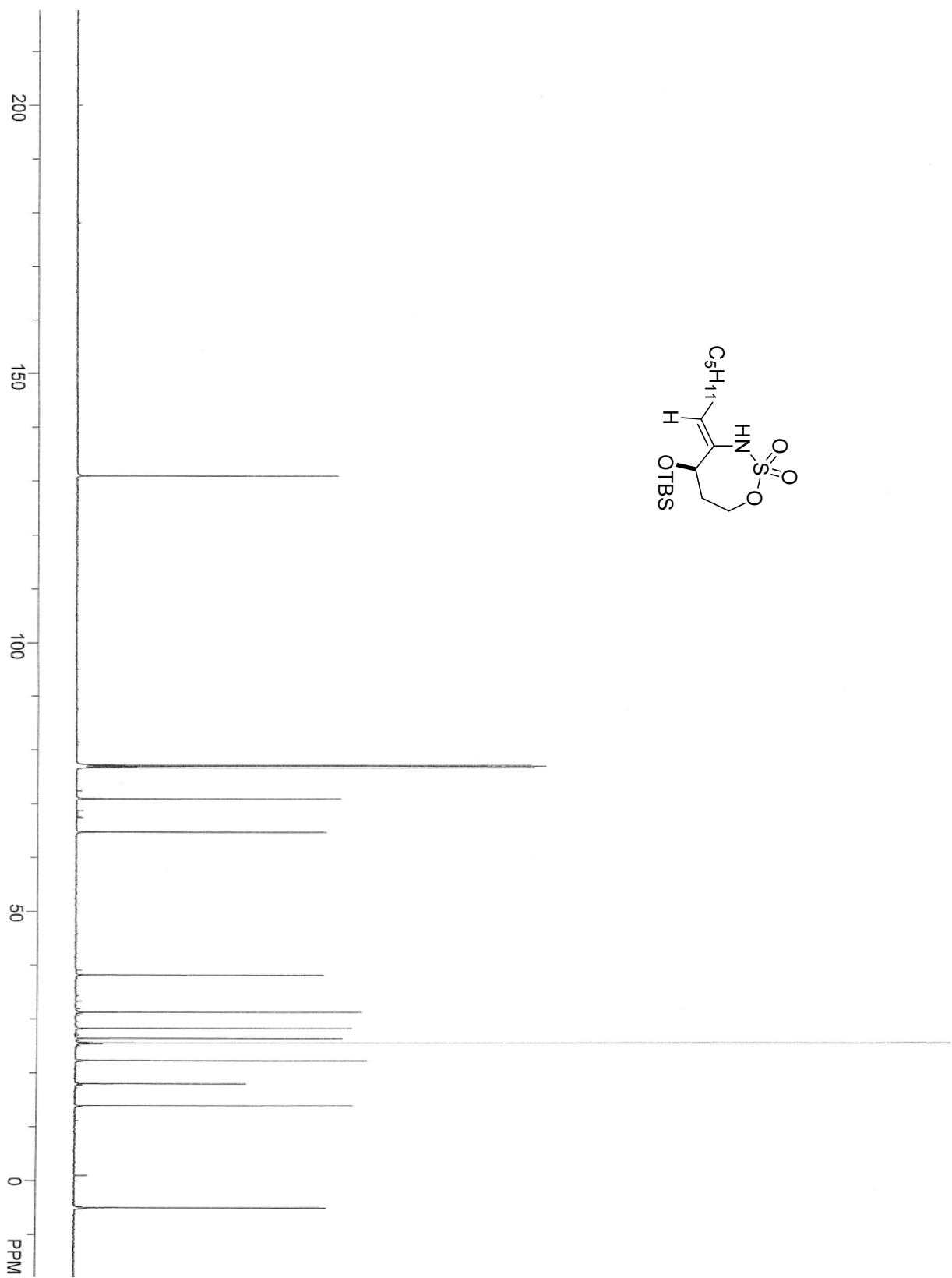
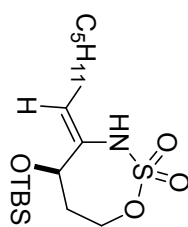
Compound (Z)-5.



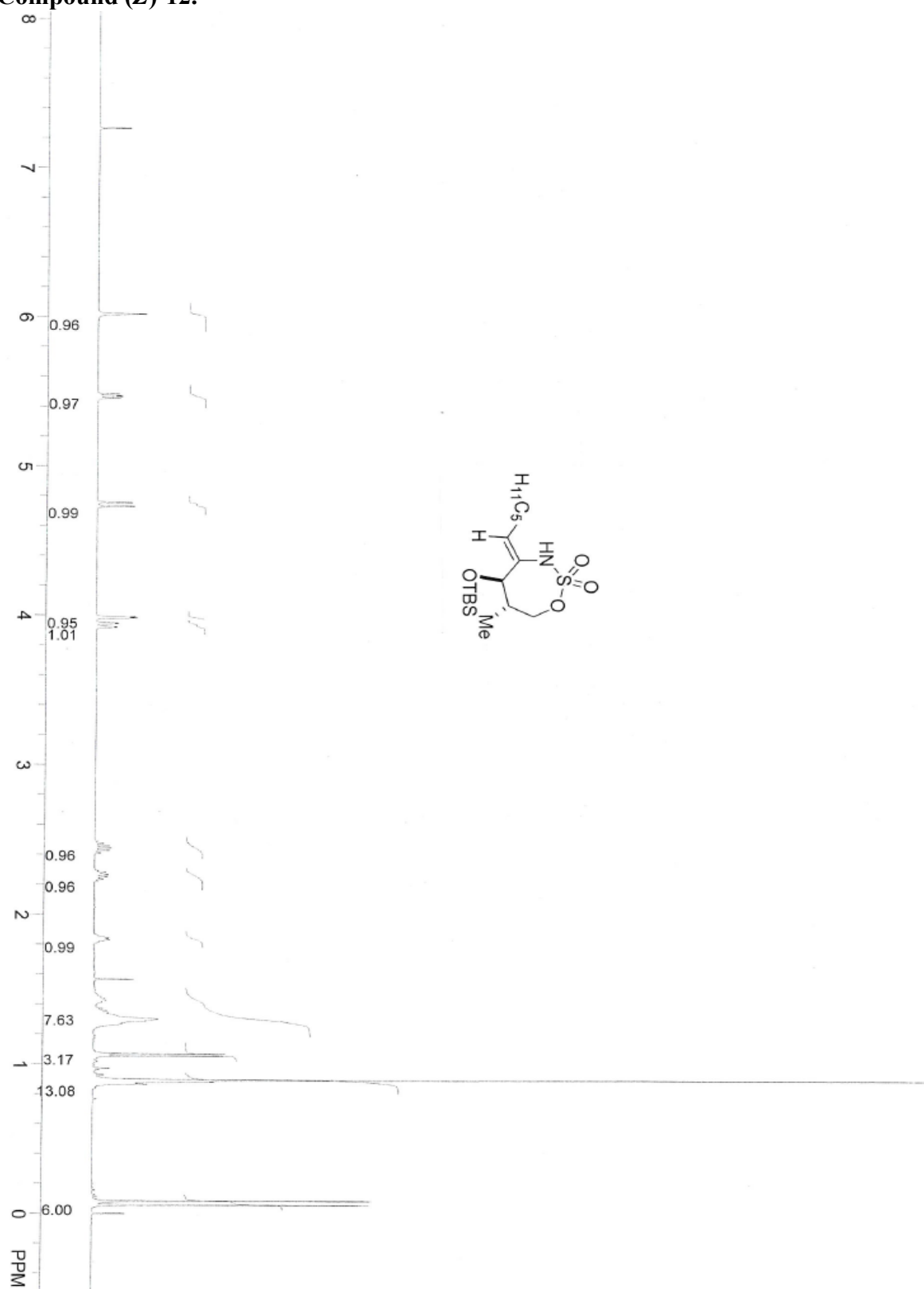


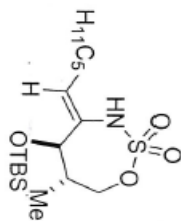
Compound (Z)-11.



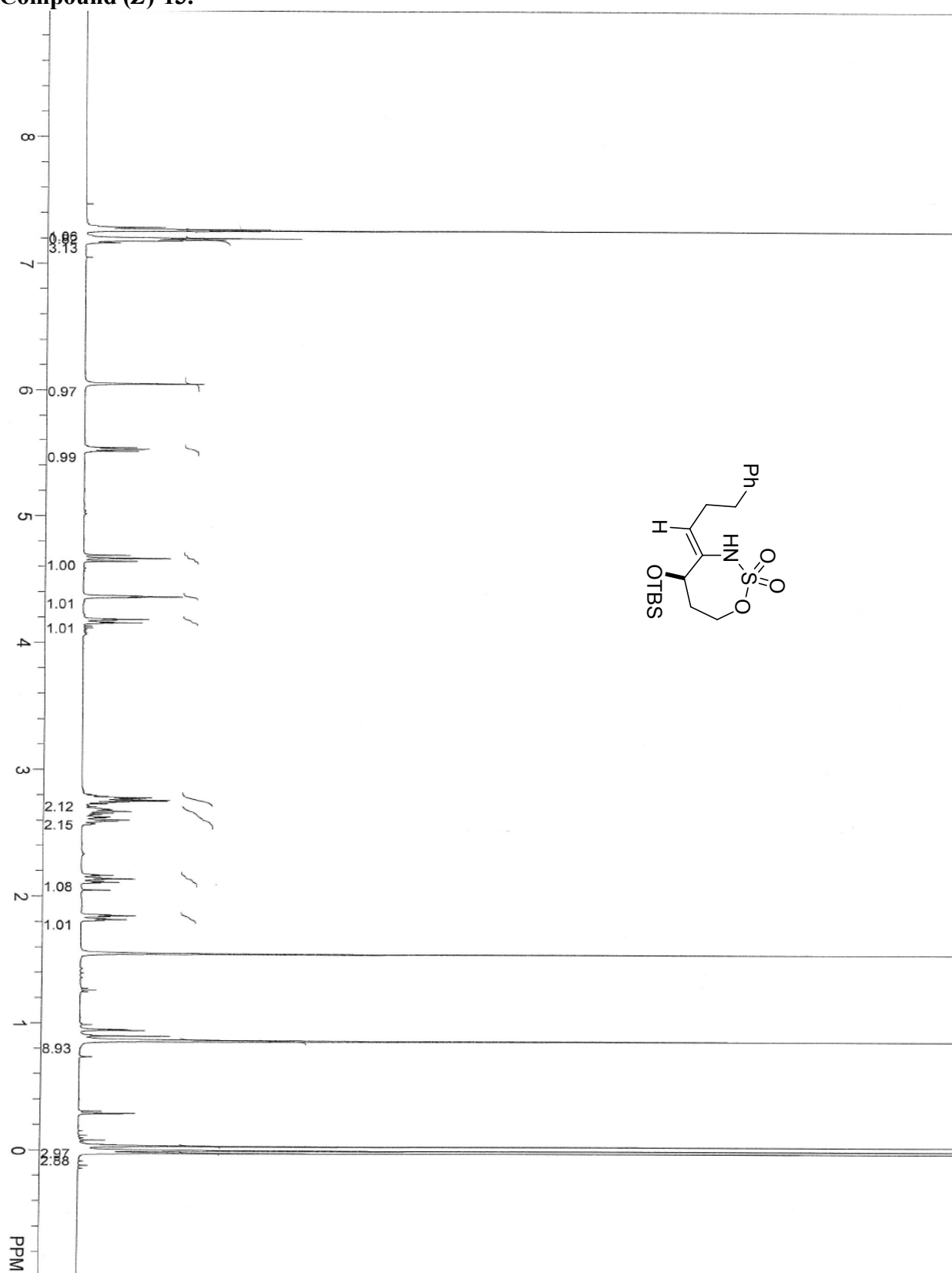


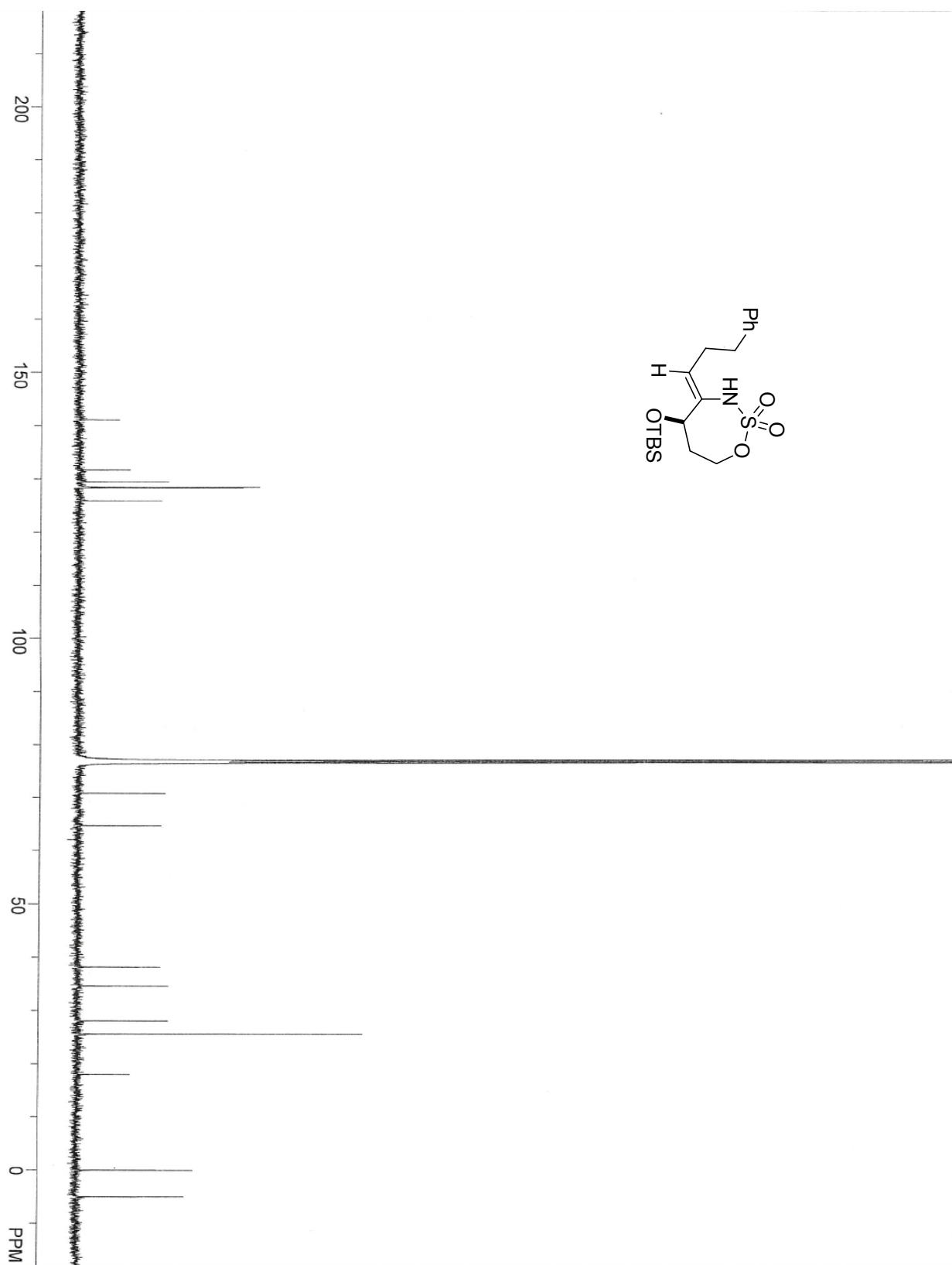
Compound (Z)-12.



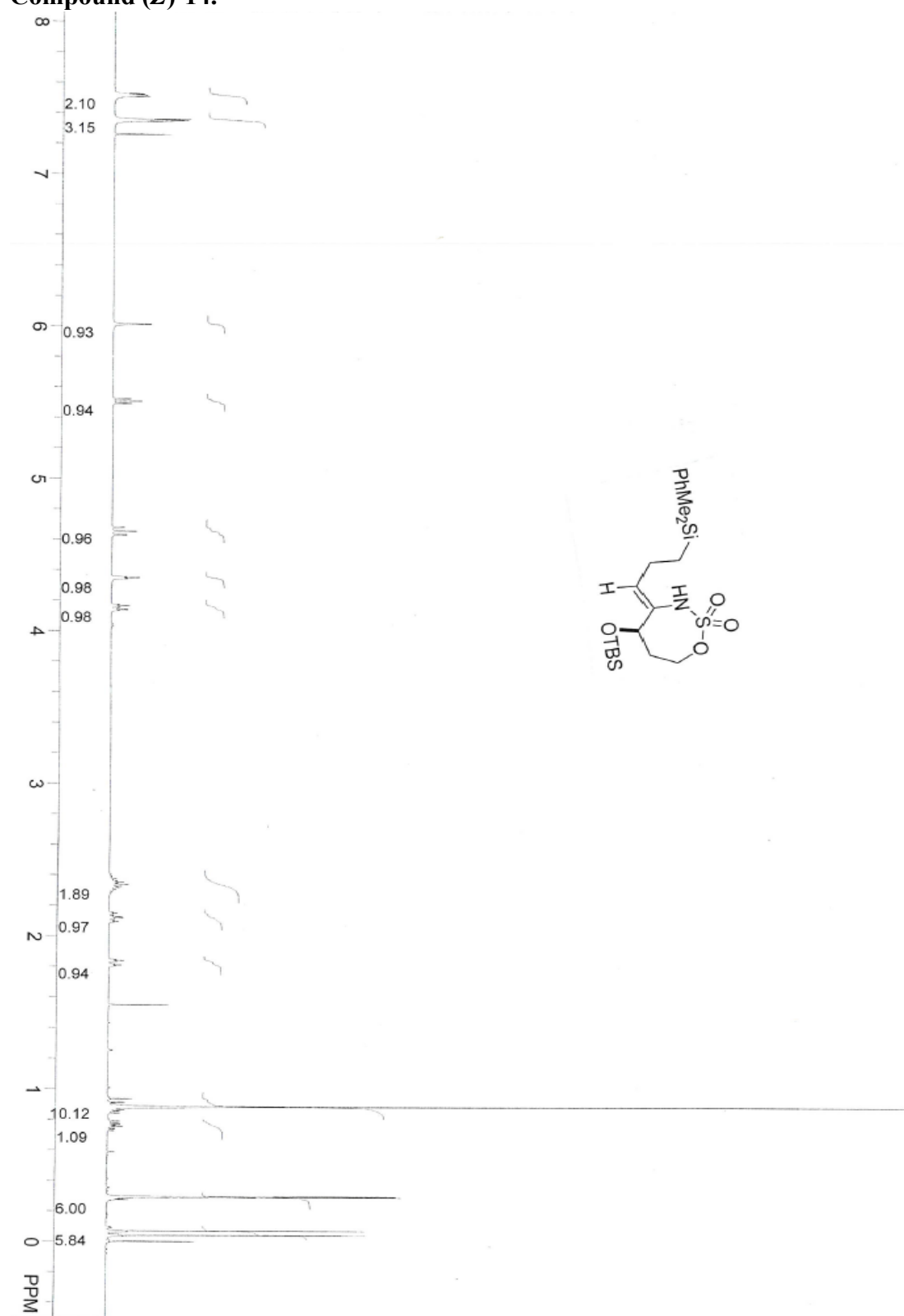


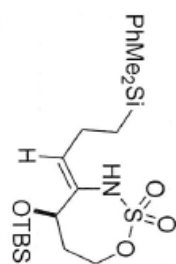
Compound (Z)-13.



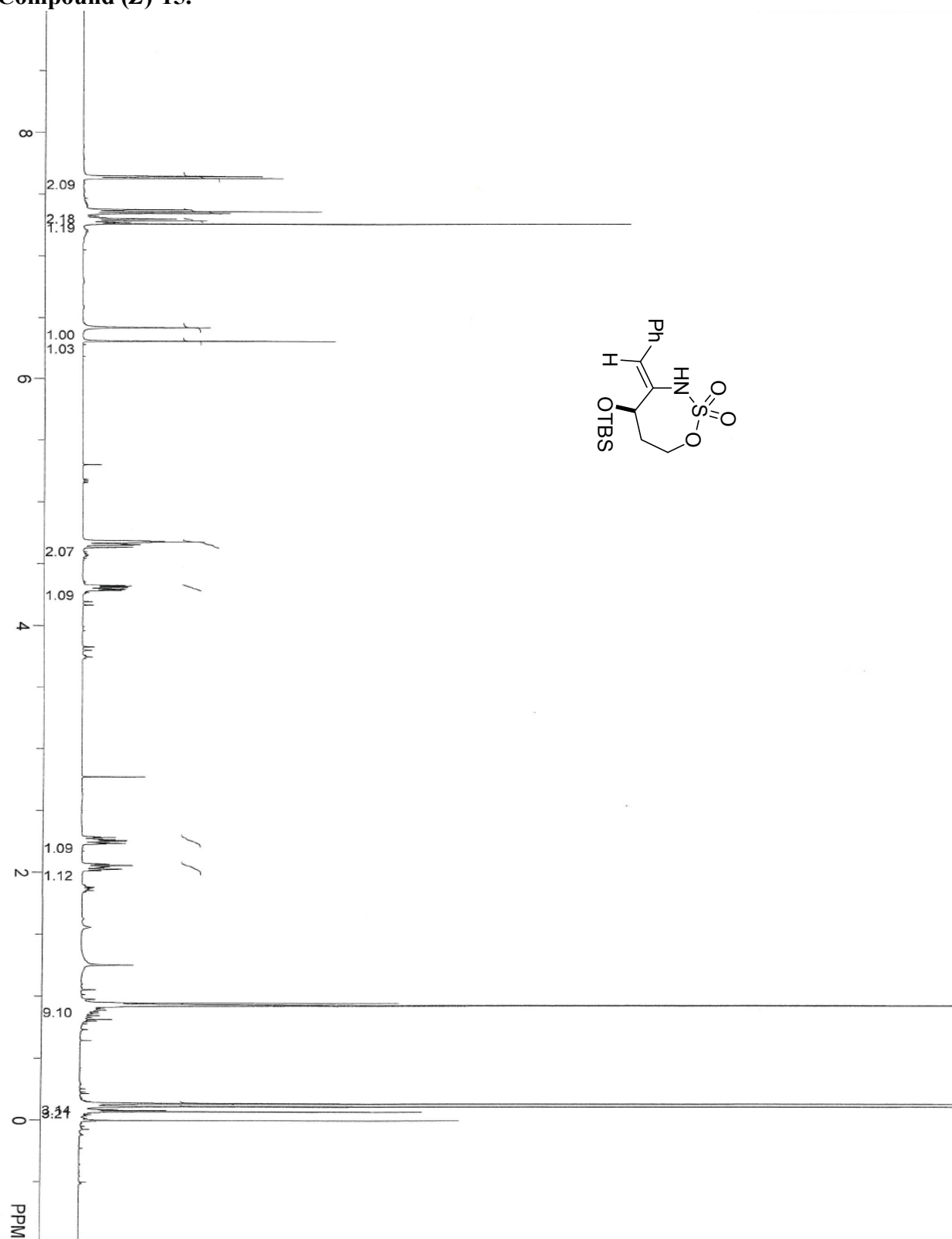


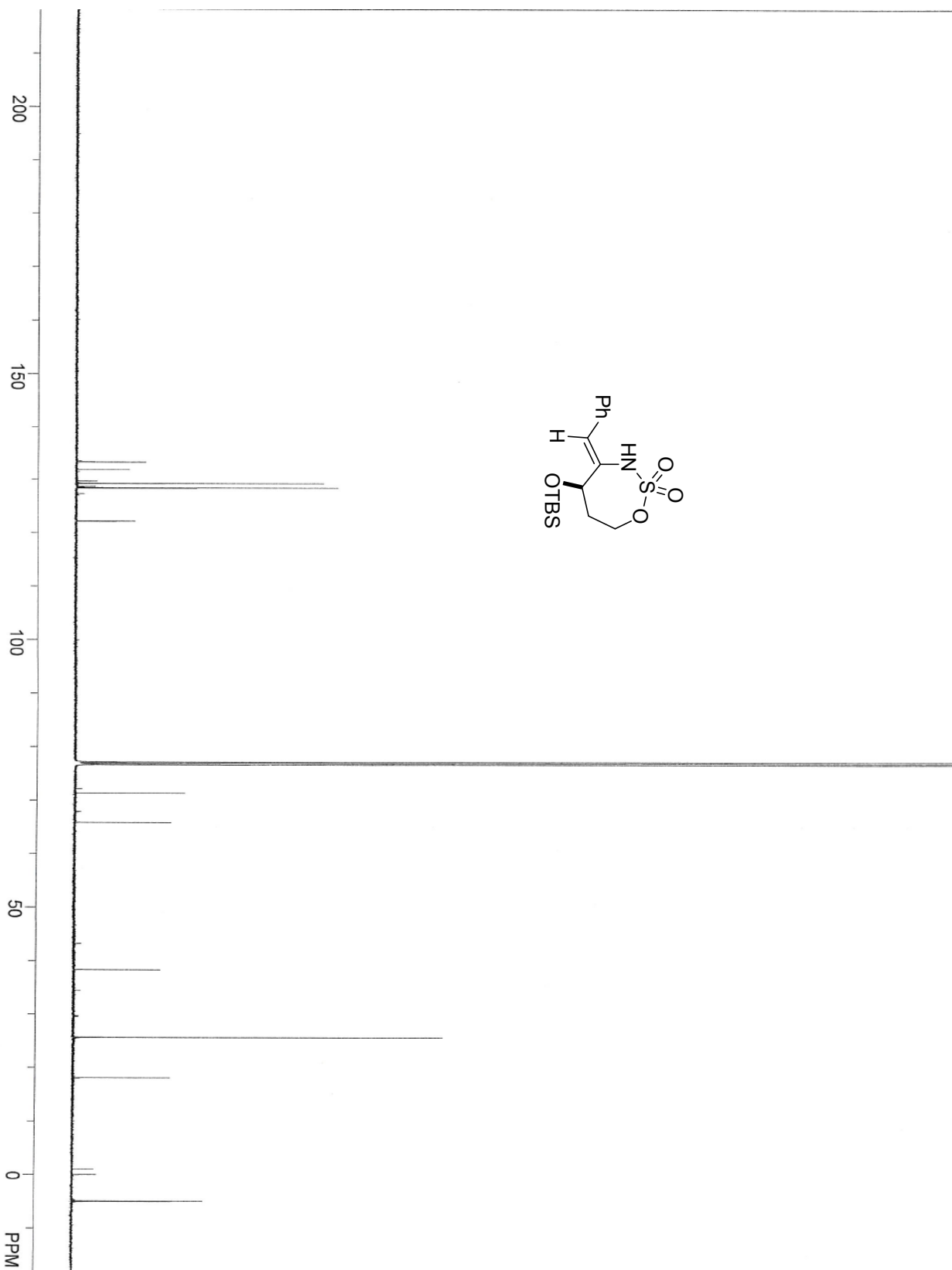
Compound (Z)-14.



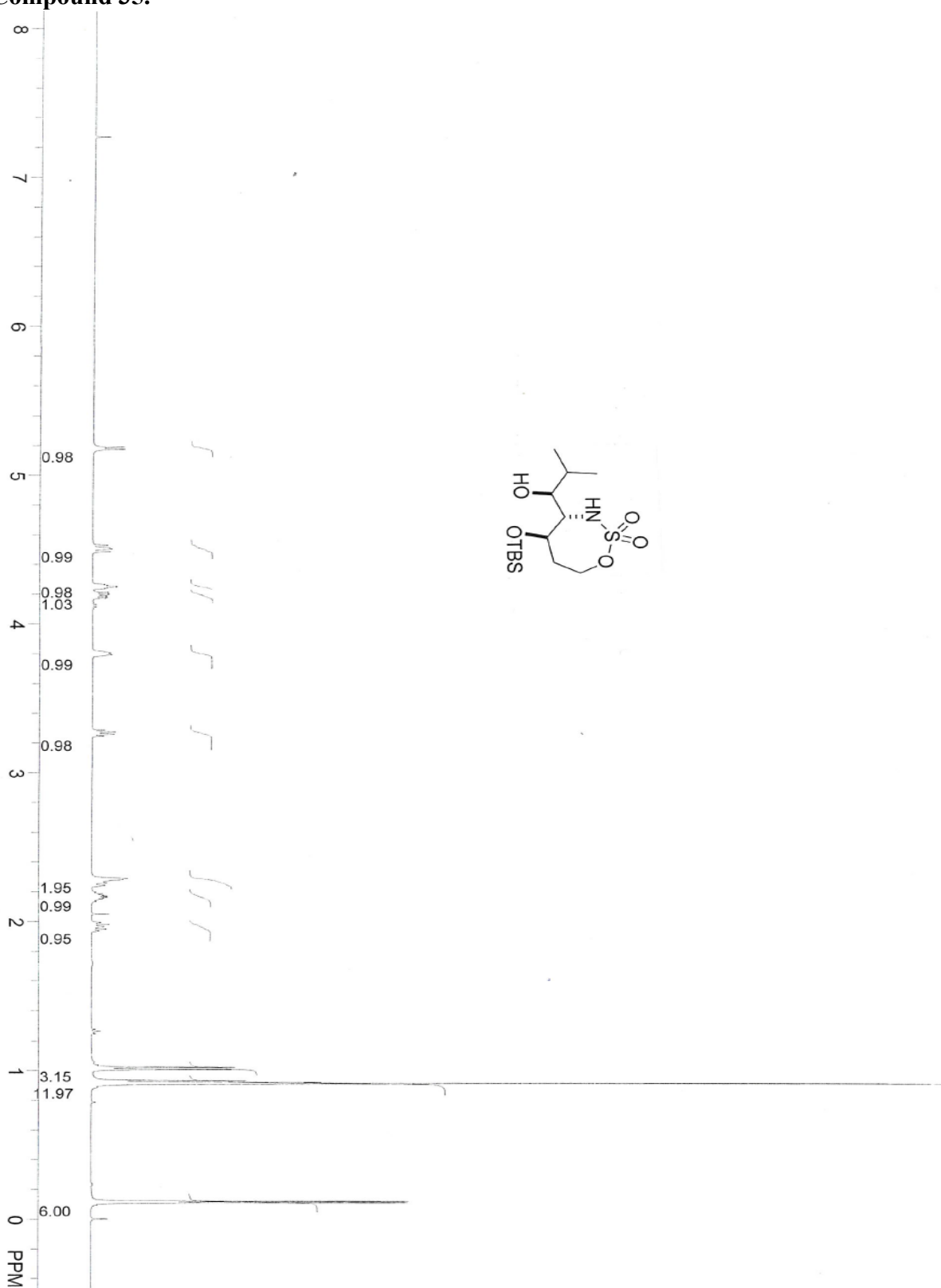


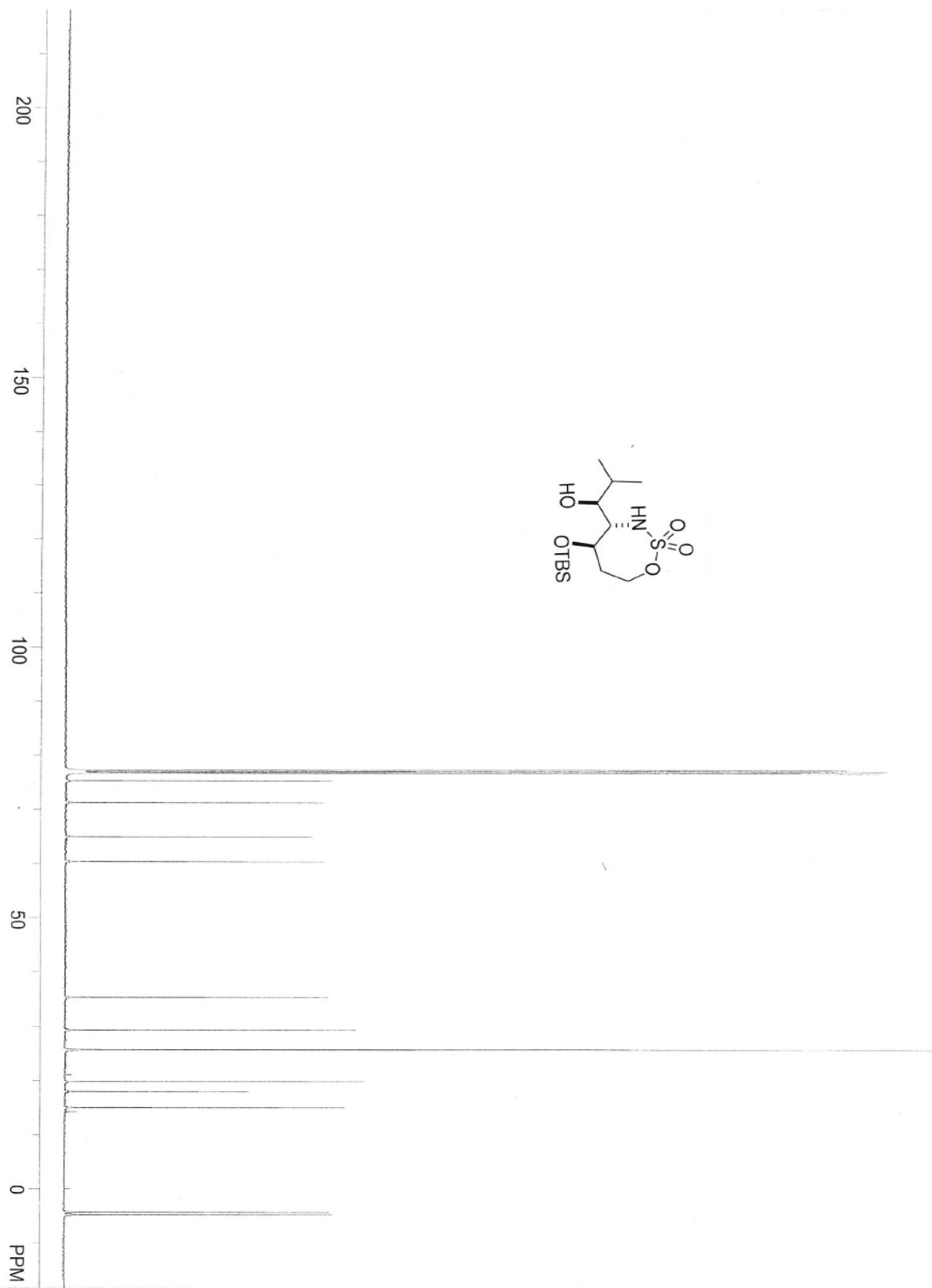
Compound (Z)-15.

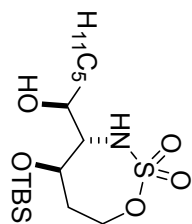


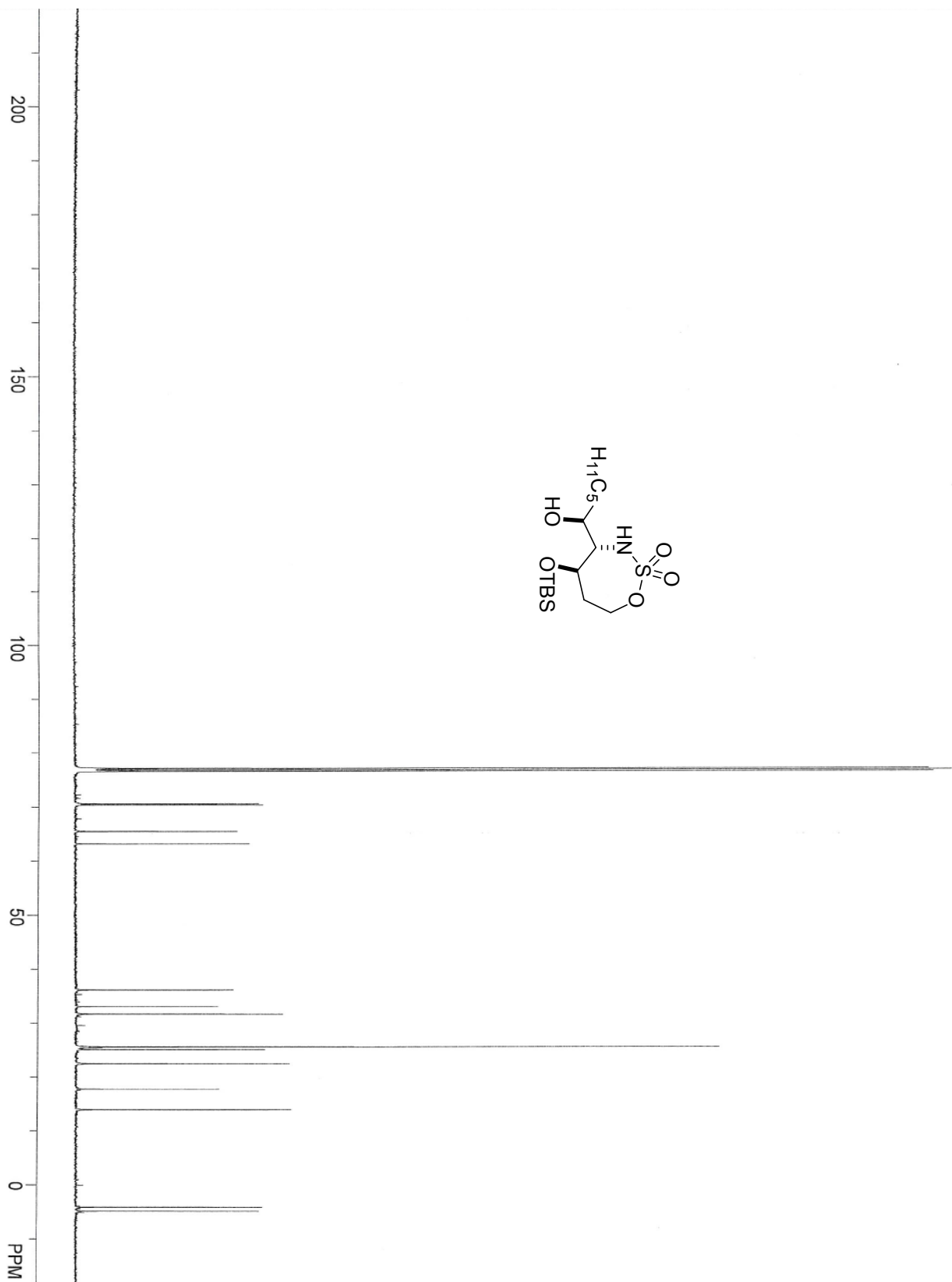


Compound 35.





[illegible]



Compound 37.

