

1H NMR spectrum of compound 1 in CDCl₃. The x-axis represents chemical shift in ppm, ranging from 0 to 8. The y-axis represents relative intensity in arbitrary units, ranging from 0 to 8. The spectrum shows several peaks:

- Multiplet at ~7.2 ppm (integral 2.0737)
- Multiplet at ~7.0 ppm (integral 0.8845)
- Multiplet at ~6.8 ppm (integral 0.8651)
- Multiplet at ~6.6 ppm (integral 1.0149)
- Multiplet at ~6.4 ppm (integral 3.0228)
- Multiplet at ~6.2 ppm (integral 2.0414)
- Multiplet at ~6.0 ppm (integral 0.8831)
- Multiplet at ~5.8 ppm (integral 2.0722)
- Multiplet at ~5.6 ppm (integral 0.9527)
- Multiplet at ~5.4 ppm (integral 1.0218)
- Multiplet at ~5.2 ppm (integral 1.0337)
- Multiplet at ~4.0 ppm (integral 5.0000)
- Multiplet at ~1.5 ppm (integral 1.0000)
- Multiplet at ~0.5 ppm (integral 0.01)

¹H NMR spectrum of compound 10 in CDCl₃. The x-axis represents chemical shift in ppm, ranging from 0 to 10. The spectrum shows several peaks: a multiplet at ~8.0 ppm (integral 2.0000), a doublet at ~7.9 ppm (integral 0.9305), a doublet at ~7.8 ppm (integral 0.0503), a multiplet at ~7.7 ppm (integral 3.9608), a sharp singlet at ~7.2 ppm, a small peak at ~3.9 ppm (integral 8.4681), a large multiplet at ~1.5 ppm (integral 31.7185), and a small peak at ~0.1 ppm (integral 0.0002). A list of peak chemical shifts is provided on the right side of the plot.

Chemical Shift (ppm)
8.7493
8.7203
8.7256
8.7152
8.7103
8.7004
8.6929
8.6902
8.6432
8.3325
8.3302
8.3275
8.3180
8.3139
8.3027
8.2476
7.9428
7.9270
7.8992
7.8973
7.8836
7.8815
7.7855
7.7152
7.7125
7.7012
7.6986
7.6960
7.6847
7.6819
7.6755
7.6723
7.6617
7.6583
7.6506
7.6470
7.6420
7.6351
7.6318
7.6275
7.6254
7.6212
7.6116
7.6099
7.5977
7.5957
7.5825
7.5801
7.5621
3.8315
3.7185
3.6905
3.6699
3.6619
3.6578
3.5955
3.5710
3.5447
3.4867
3.4759
2.2062
2.1906
1.5489
1.5160
1.2979
1.2548
0.9317
0.9205
0.8941
0.8807
0.8653
0.0663
0.0002

【Fig. 3】

