

Tetra(phenylethynyl)tin is a New Reagent for Solvent-Free Alkynylation of Imines

Supporting information

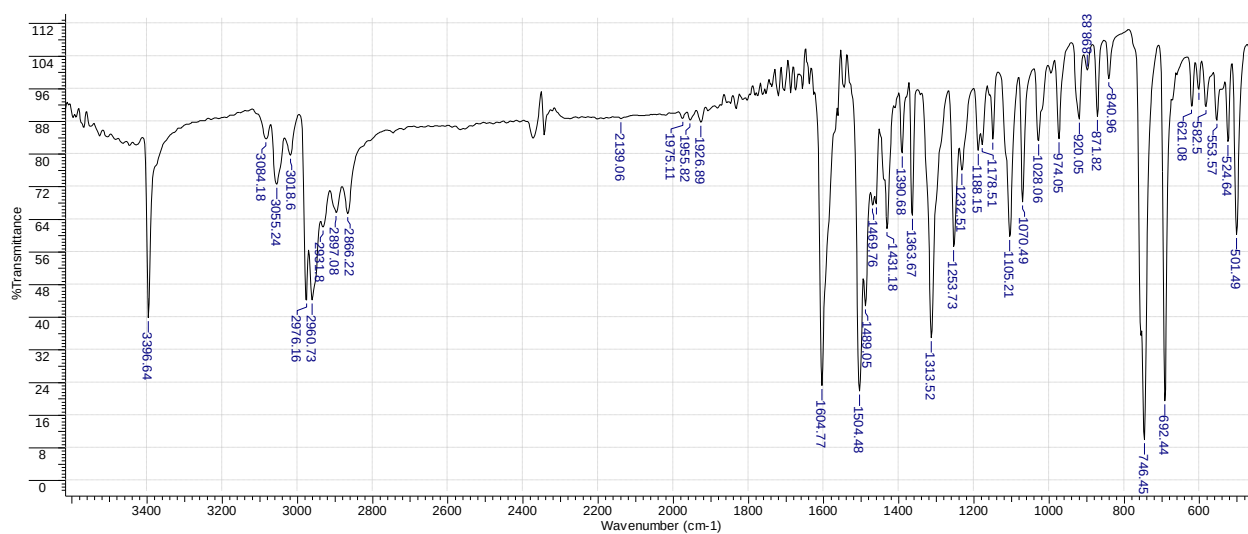


Figure S1: IR-spectrum of 3a

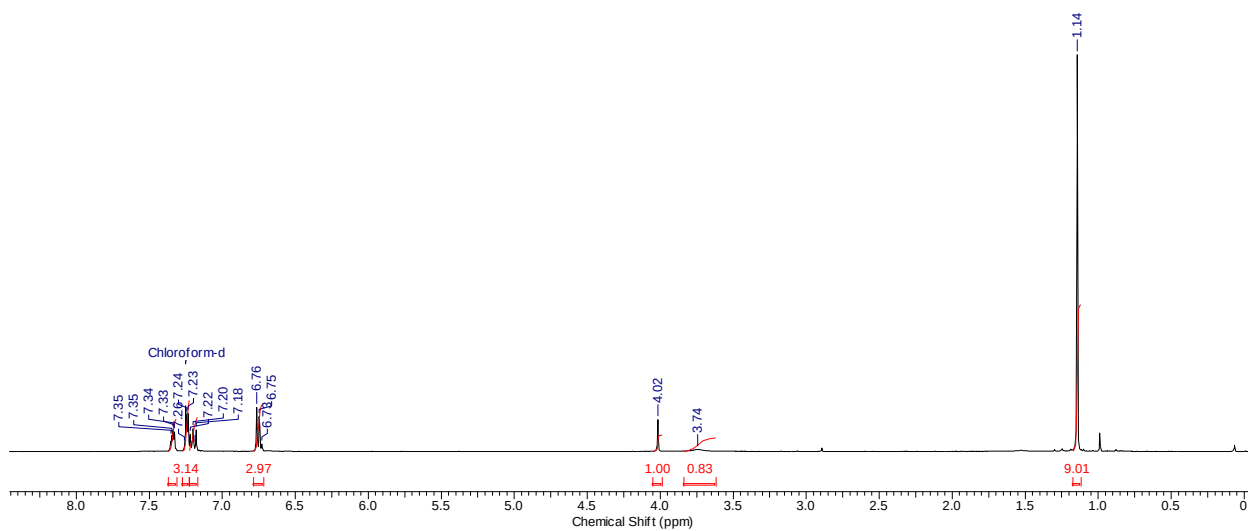


Figure S2: ¹H NMR of 3a

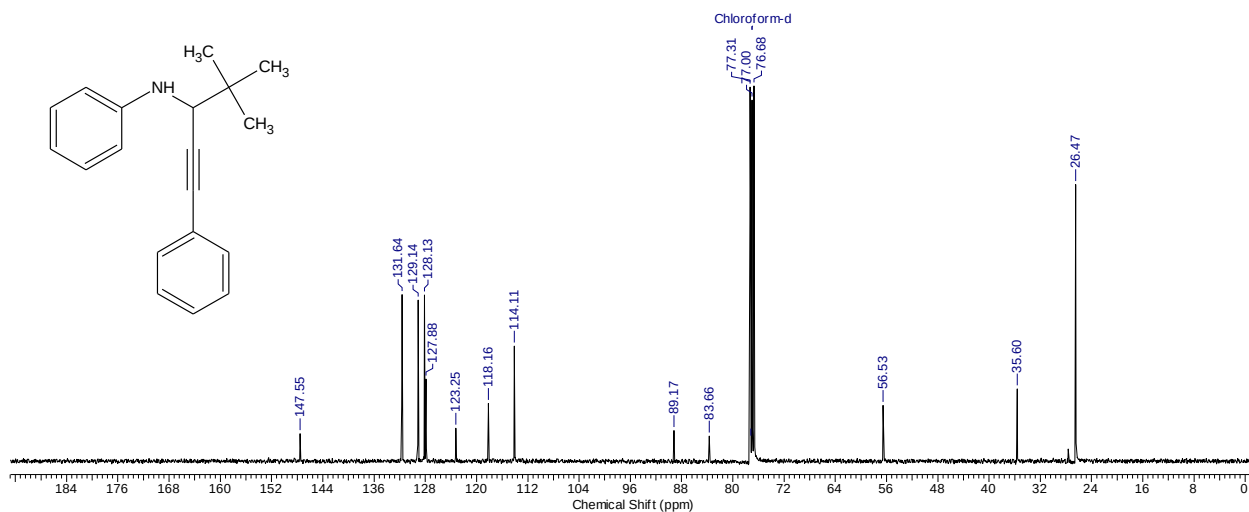
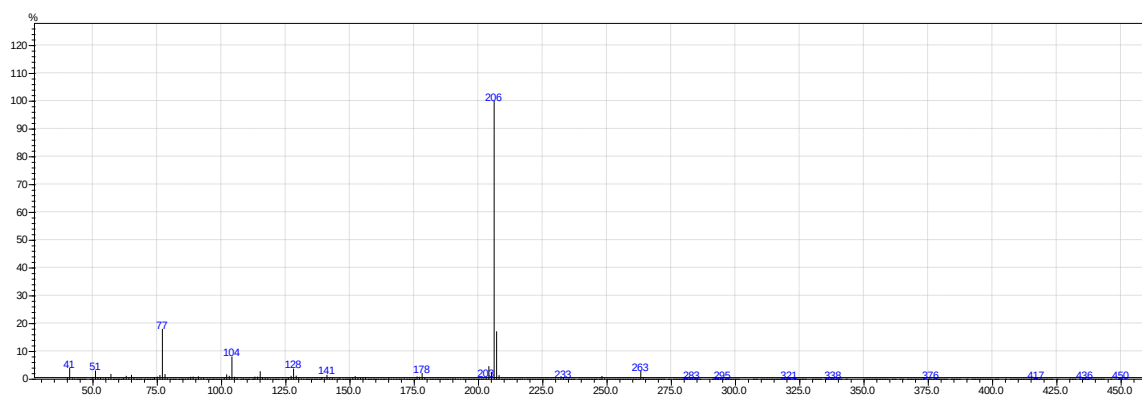


Figure S3: ¹³C NMR of 3a



No	m/z	Irel, %	No	m/z	Irel, %
1	206.05	100.00	5	204.00	4.61
2	77.00	17.98	6	40.95	3.87
3	207.00	17.08	7	128.05	3.70
4	104.05	8.03	8	50.95	2.99

Figure S4: MS of 3a

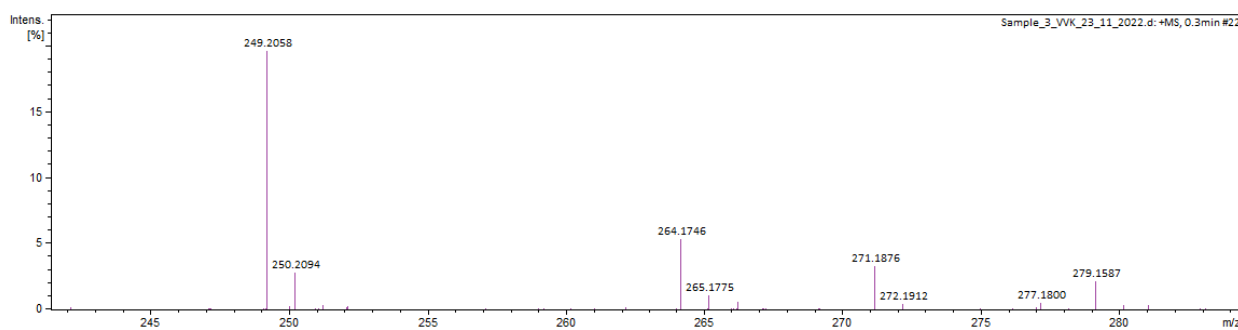


Figure S5: HRMS of 3a

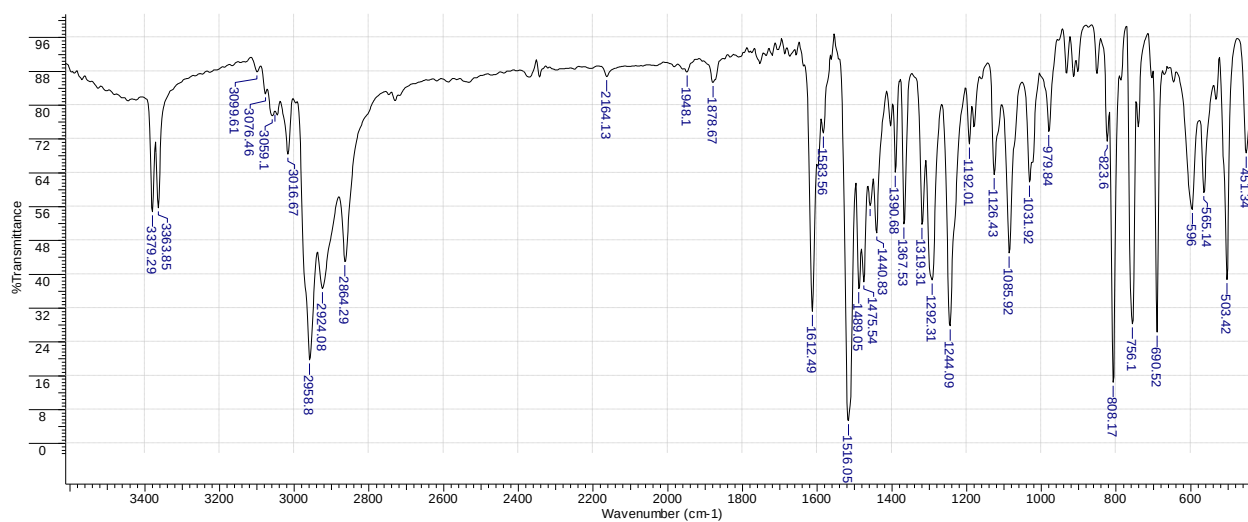


Figure S6: IR-spectrum of 3b

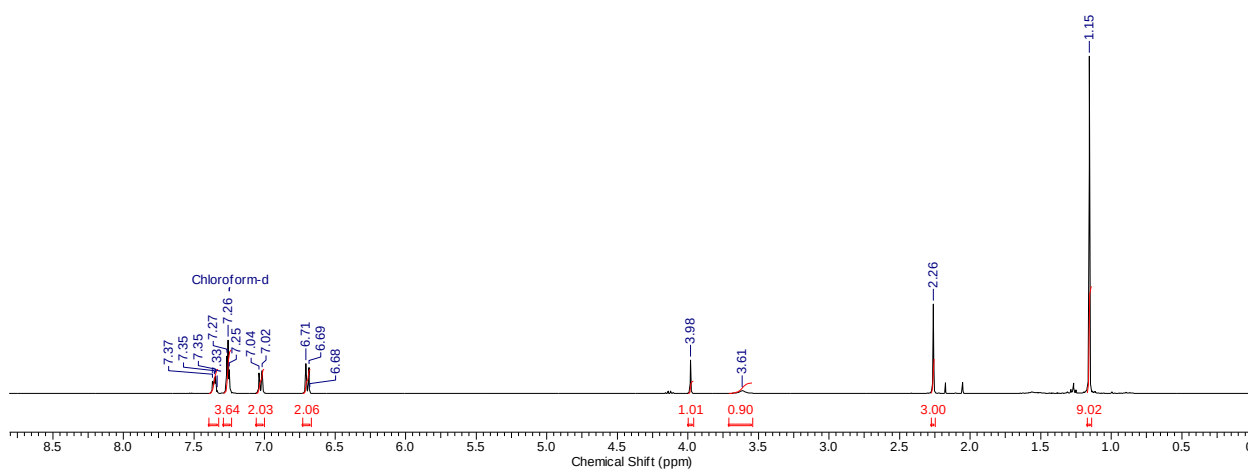


Figure S7: ¹H NMR of 3b

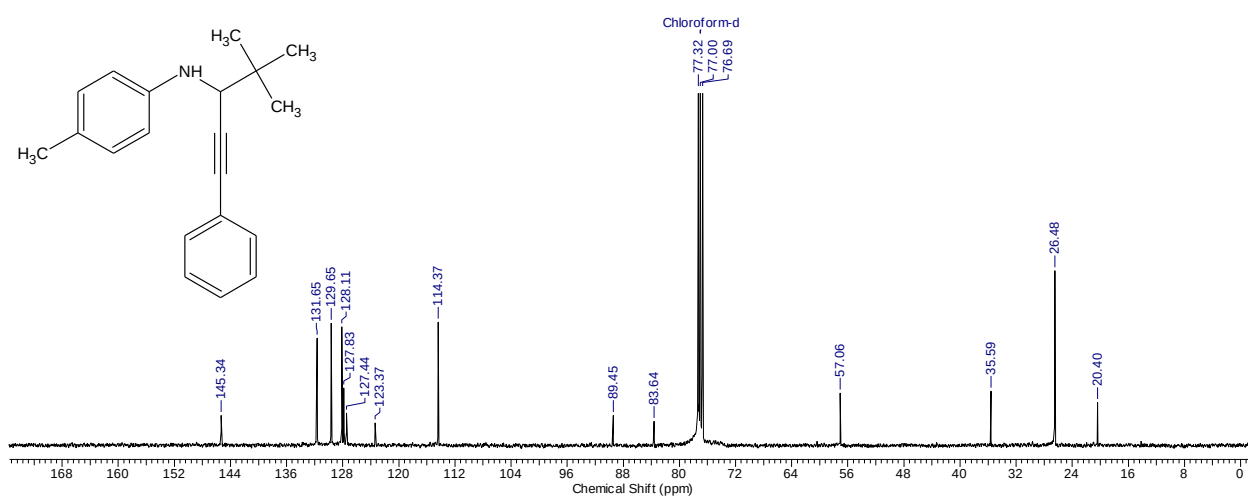
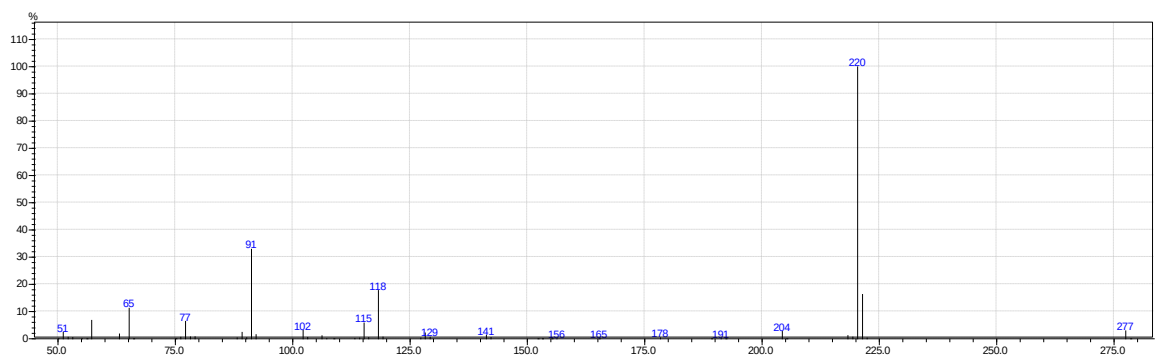


Figure S8: ¹³C NMR of 3b



Nº	m/z	Irel, %	Nº	m/z	Irel, %
1	220.35	100.00	8	115.20	5.86
2	91.20	32.96	9	102.20	3.11
3	118.25	17.75	10	277.50	2.96
4	221.40	16.34	11	204.30	2.68
5	65.15	11.26	12	51.10	2.43
6	57.15	6.79	13	89.20	2.40
7	77.15	6.42	14	128.25	2.16

Figure S9: MS of 3b

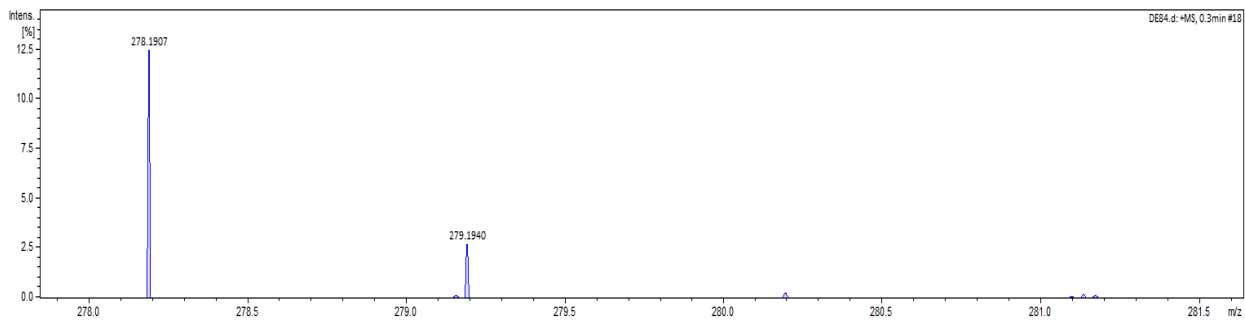


Figure S10: HRMS of 3b

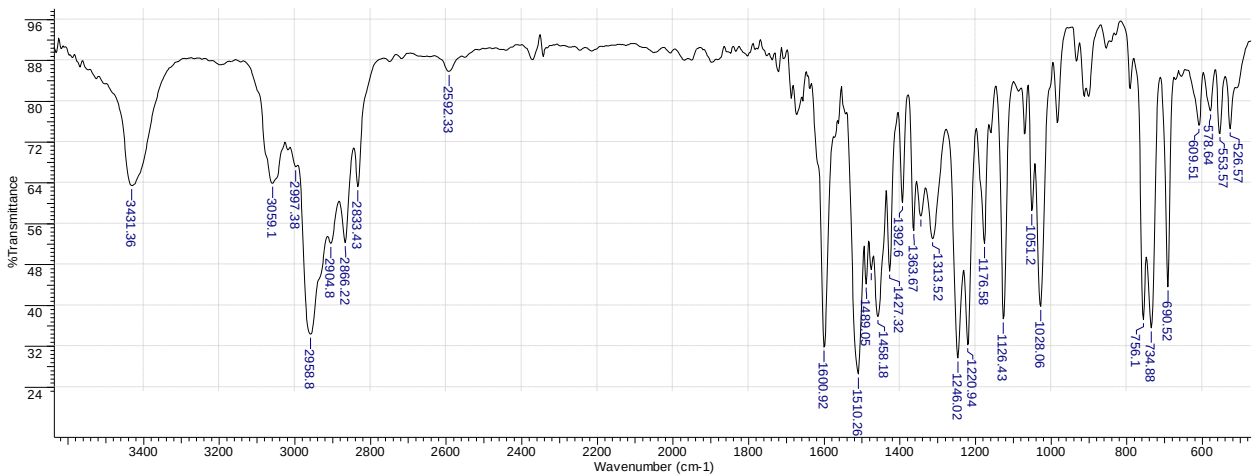


Figure S11: IR-spectrum of 3c

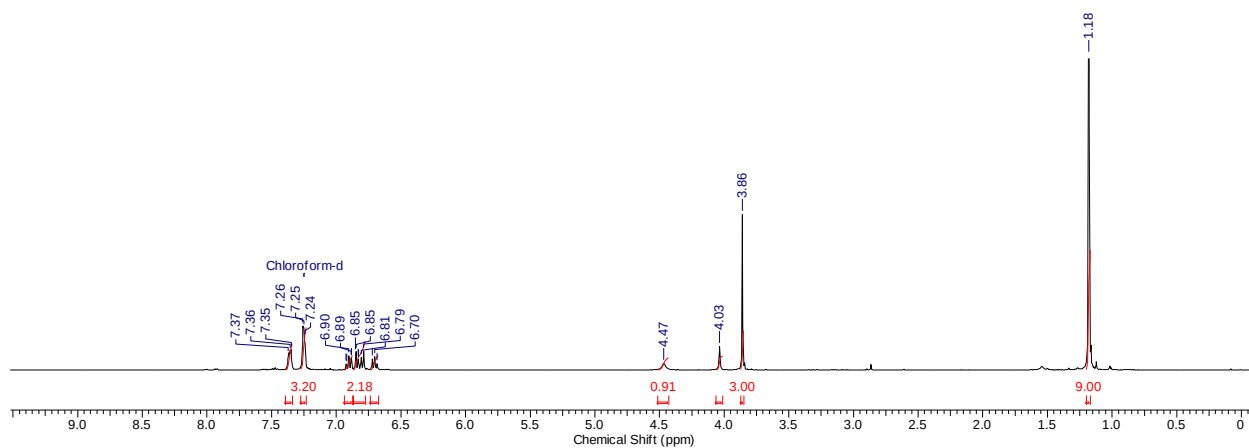


Figure S12: ^1H NMR of 3c

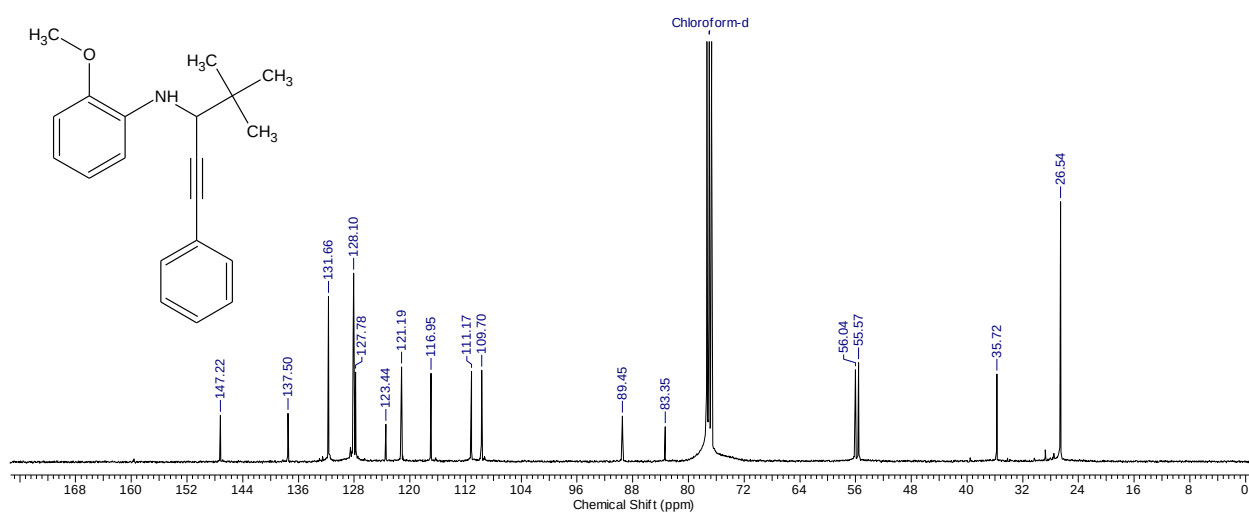
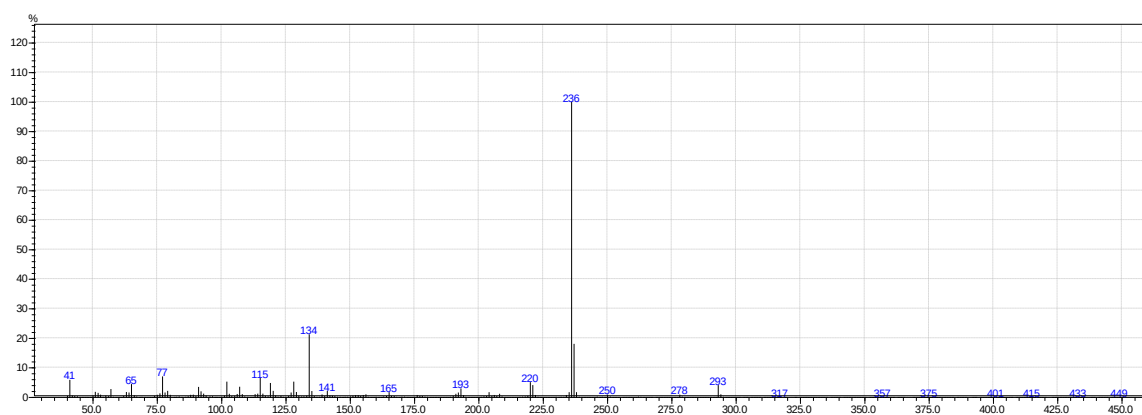


Figure S13: ^{13}C NMR of 3c



No	m/z	Irel, %
1	293	4
2	236	100
3	220	4
4	193	3
5	134	21
6	115	6

Figure S14: MS of 3c

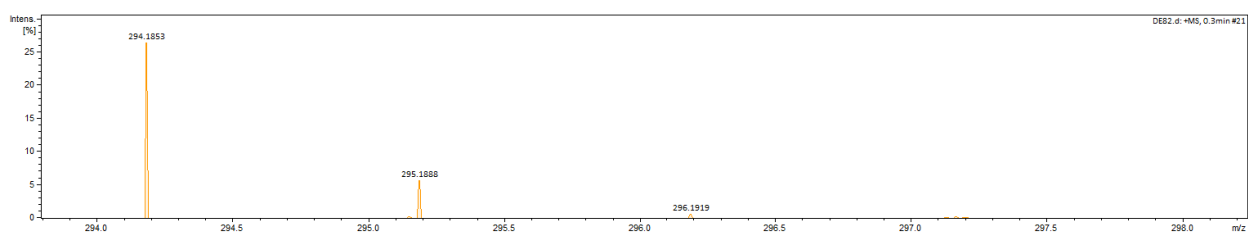


Figure S15: HRMS of 3c