

Supporting Information

Ionic liquid supported organotin reagents to prepare molecular imaging and therapy agents

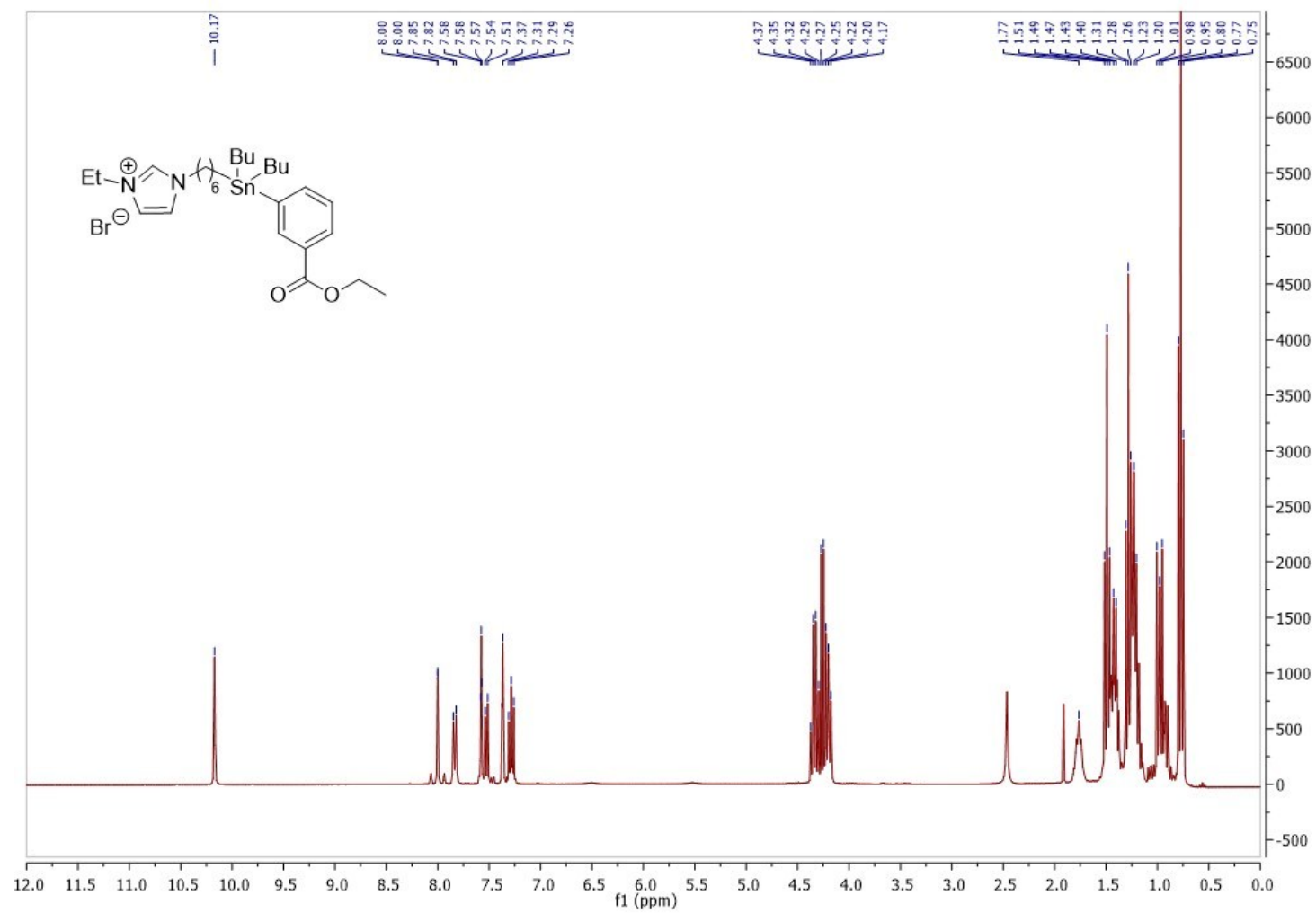
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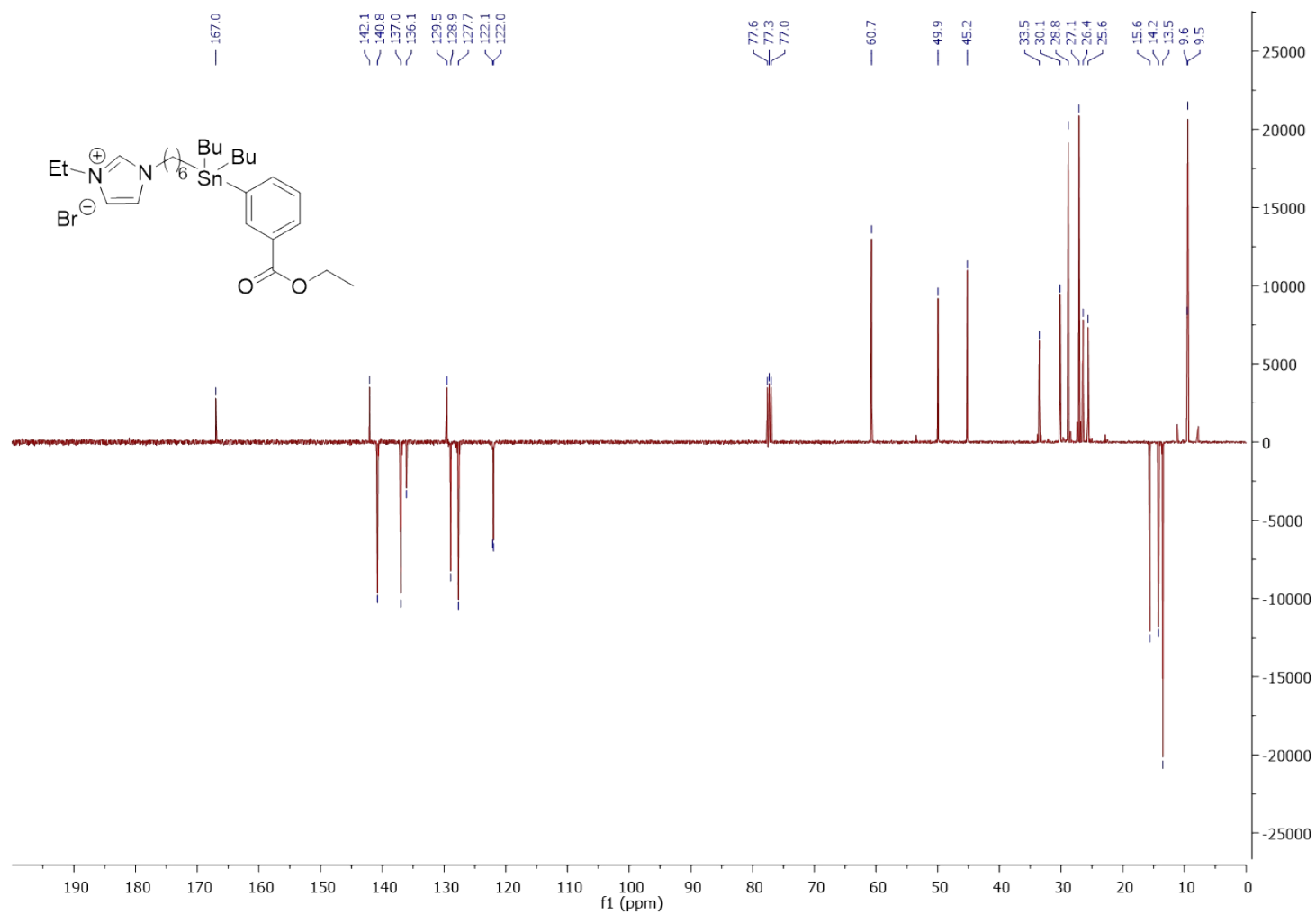
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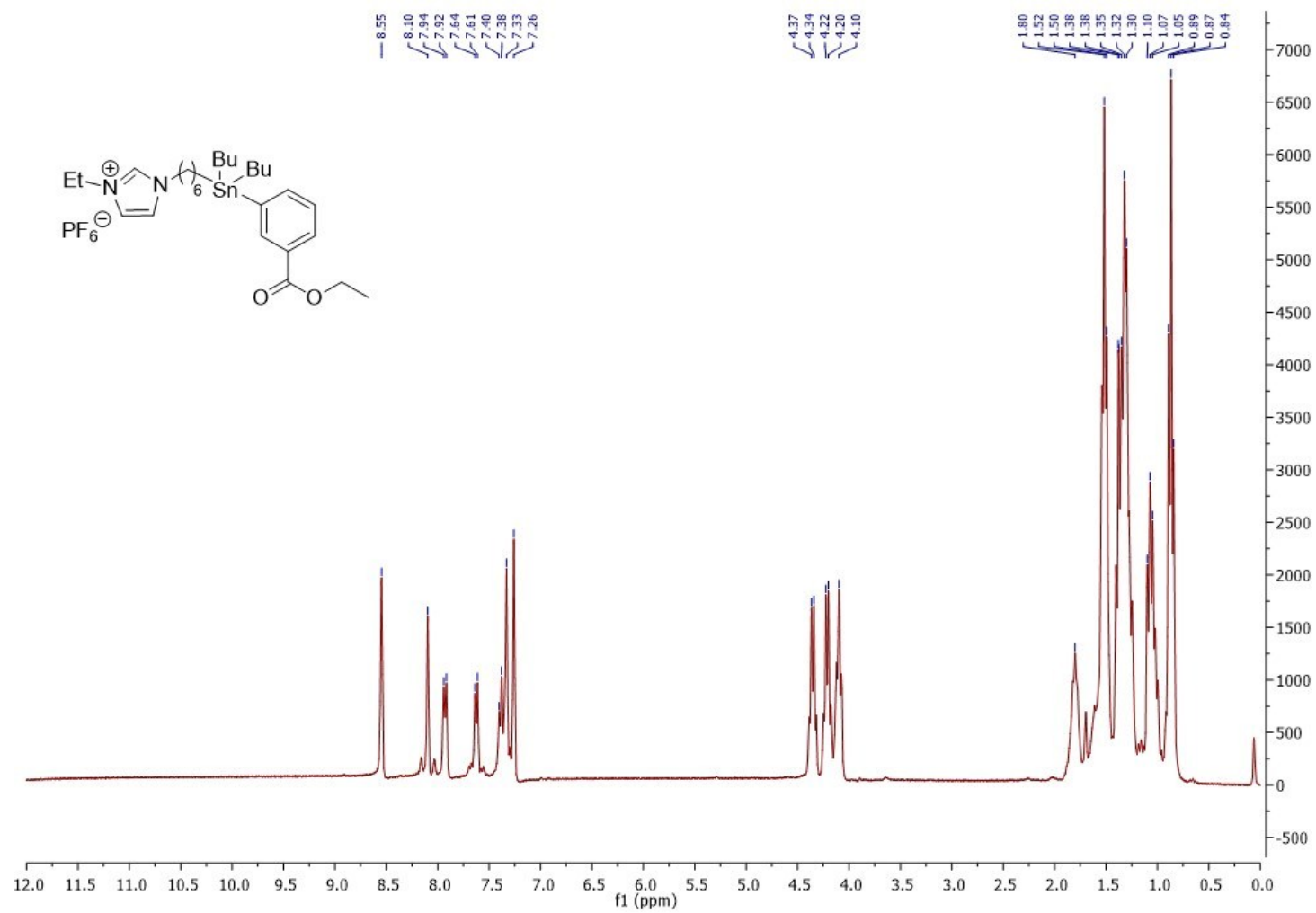
^1H NMR spectrum (300 MHz, CDCl_3) of compound **2**



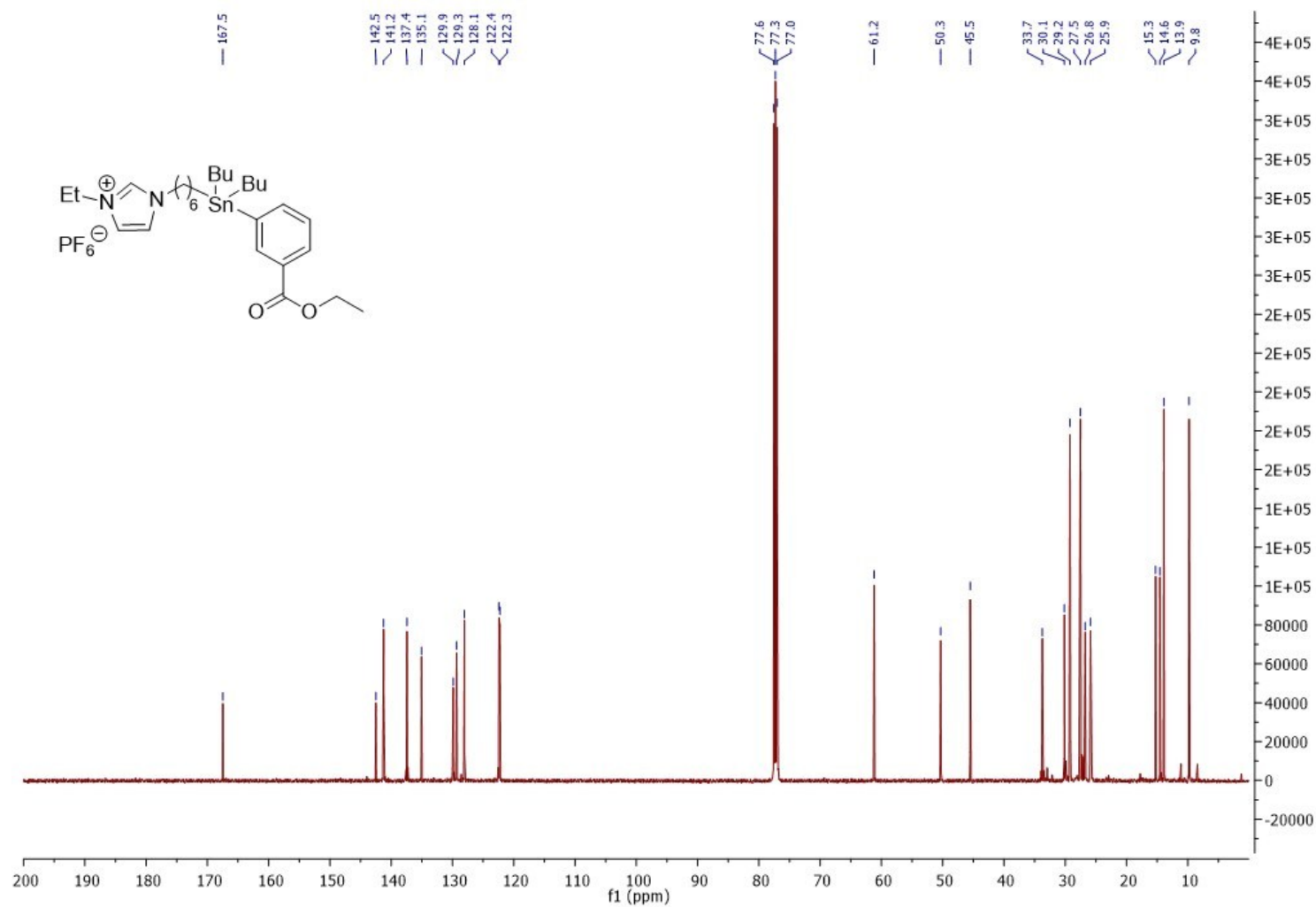
^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **2**



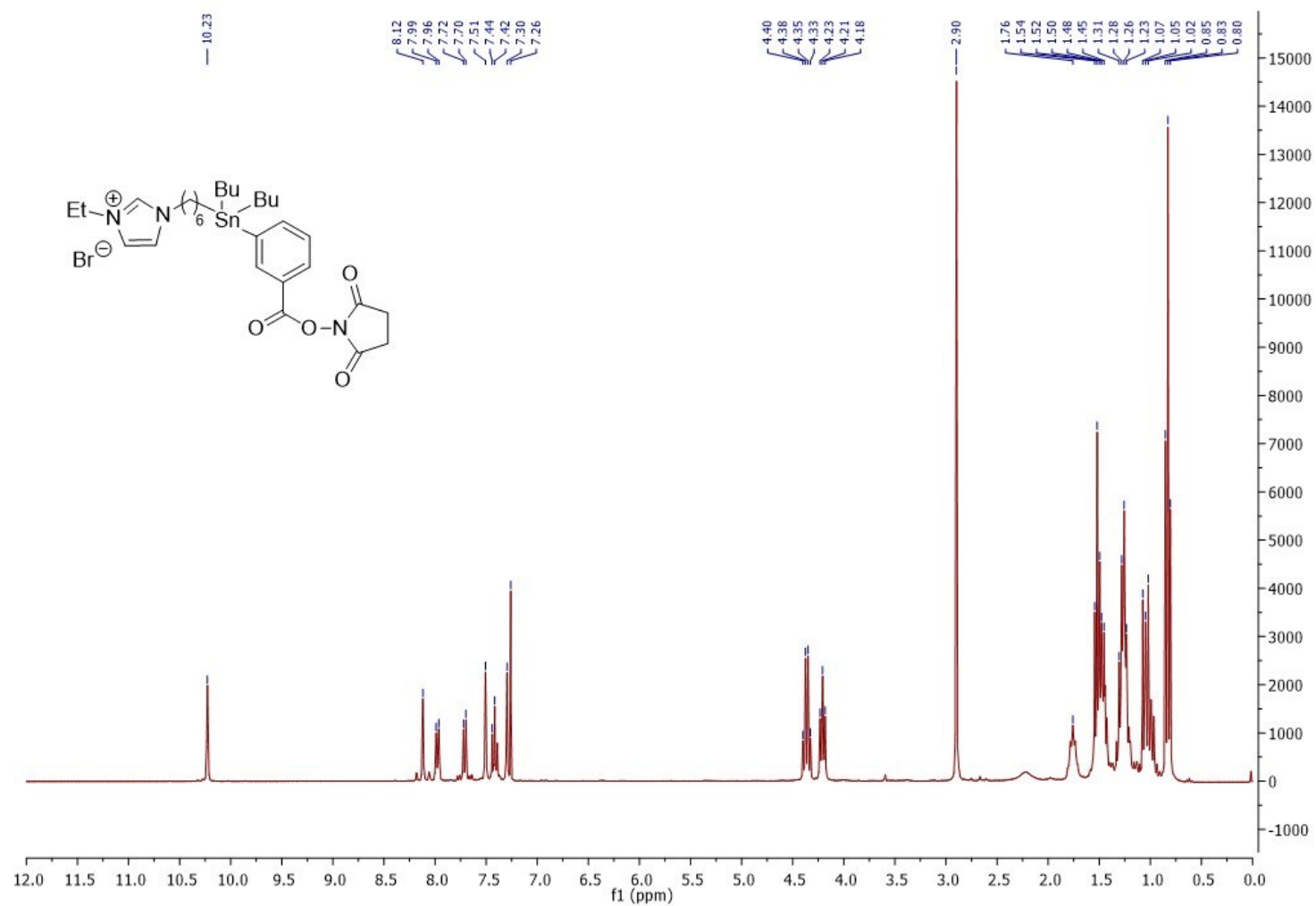
^1H NMR spectrum (300 MHz, CDCl_3) of compound **3**



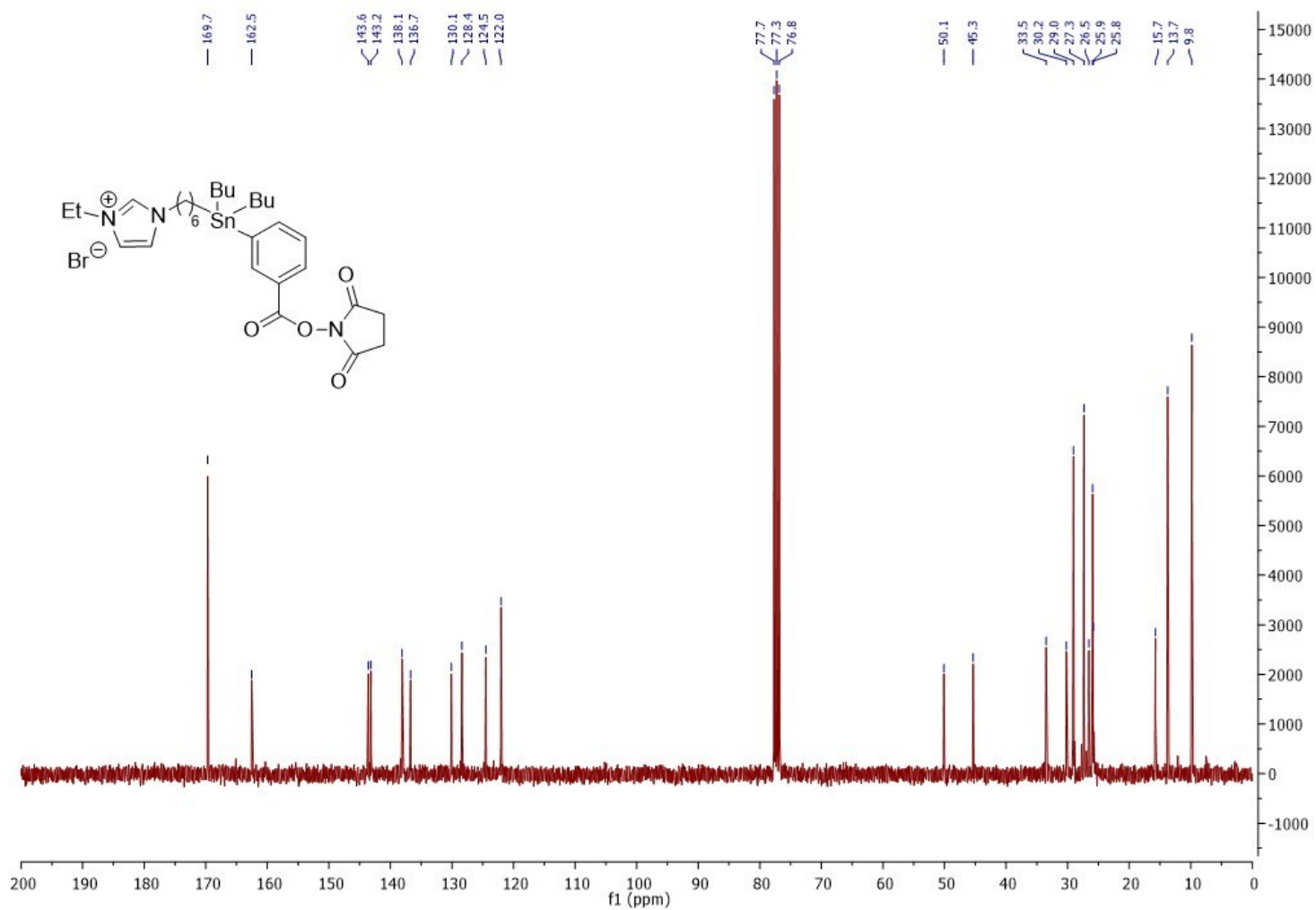
¹³C NMR spectrum (75 MHz, CDCl₃) of compound **3**



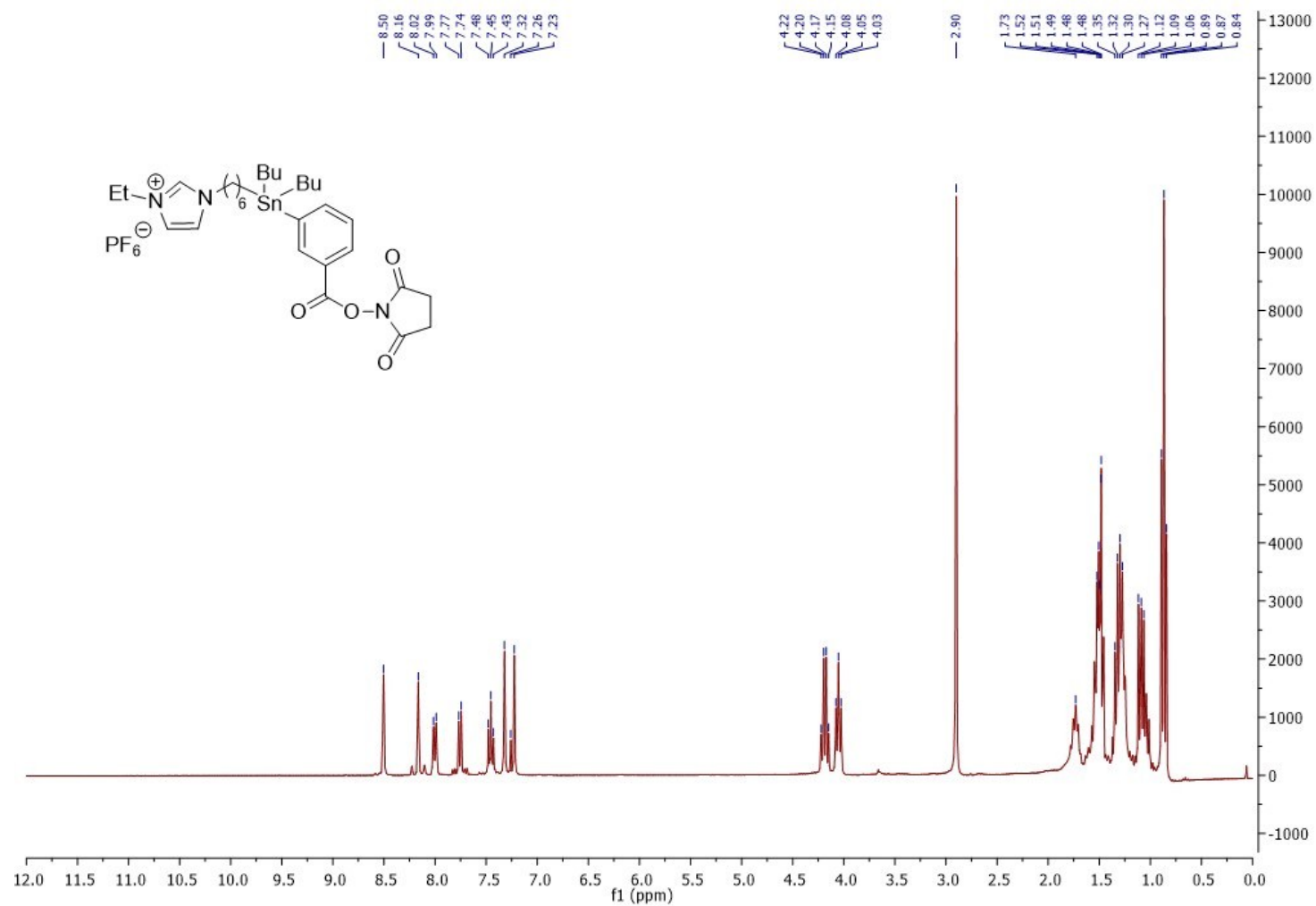
^1H NMR spectrum (300 MHz, CDCl_3) of compound **4**



^{13}C NMR spectrum (75 MHz, CDCl_3) of compound **4**



^1H NMR spectrum (300 MHz, CDCl_3) of compound **5**



Chemical structure of compound 1 is shown in the top left. The ^1H NMR spectrum (bottom) is recorded in CDCl_3 , showing peaks for the imidazolium cation (Et, 1.2 ppm), the polymer backbone (Bu, 1.0 ppm), the phenyl ring (7.2-7.4 ppm), and the succinimide ring (2.3-2.5 ppm). The ^{13}C NMR spectrum (top) is recorded in CDCl_3 , showing peaks for the imidazolium cation (170.0, 162.7 ppm), the polymer backbone (143.8, 143.3, 138.2, 135.0, 130.2, 128.5, 124.6, 122.4, 122.3 ppm), the phenyl ring (77.7, 77.3, 76.9 ppm), and the succinimide ring (50.2, 45.4 ppm).

