

Supporting Information for:

First Chiral Cp*-Functionalised N-Heterocyclic Carbene and its Coordination to Iridium. Study of the Catalytic Properties

André Pontes da Costa,^a Mónica Viciano,^b Mercedes Sanaú,^c Sonia Merino,^d Juan Tejada,^d Eduardo Peris,^{b,*} Beatriz Royo^{a,*}

^a Instituto de Tecnología Química e Biológica da Universidade Nova de Lisboa, Quinta do Marquês, EAN, Apt. 127, 2781-901 Oeiras, Portugal.

^b Departamento de Química Inorgánica y Orgánica, Universitat Jaume I, Avenida Vicente Sos Baynat s/n 12071 Castellón, Spain.

^c Departamento de Química Inorgánica. Universitat de Valencia. Av. Dr Moliner s/n. 46100 Burjassot (Valencia). Spain.

^d Departamento de Química Inorgánica, Orgánica y Bioquímica. Universidad de Castilla La Mancha. E-13071 Ciudad Real. Spain.

Figure S-1: ¹H NMR spectrum of **1**...2

Figure S-2: ¹³C NMR spectrum of **1**...3

Figure S-3: ¹H-¹³C HMQC NMR spectrum of **1**...4

Figure S-4: ¹H-¹H COSY NMR spectrum of **1**...5

Figure S-5: ¹H NMR spectrum of **2**...6

Figure S-6: ¹³C NMR spectrum of **2**...7

Figure S-7: ¹H-¹³C HMQC NMR spectrum of **2**...8

Figure S-8: ¹H-¹³C HMBC NMR spectrum of **2**...9

Figure S-9: ¹H-¹H COSY NMR spectrum of **2**...10

Figure S-1: ^1H NMR spectrum of **1**

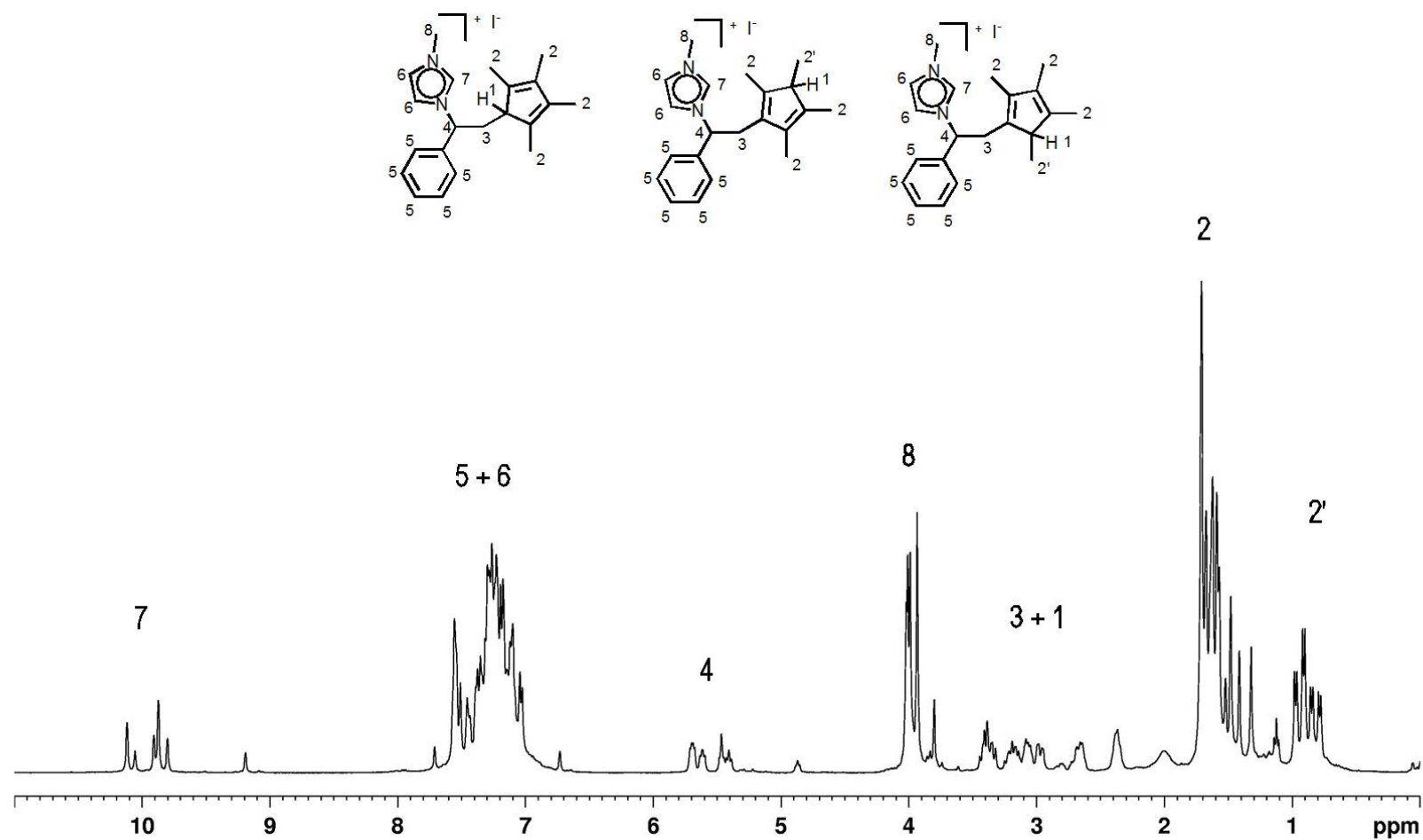


Figure S-2: ^{13}C NMR spectrum of **1**

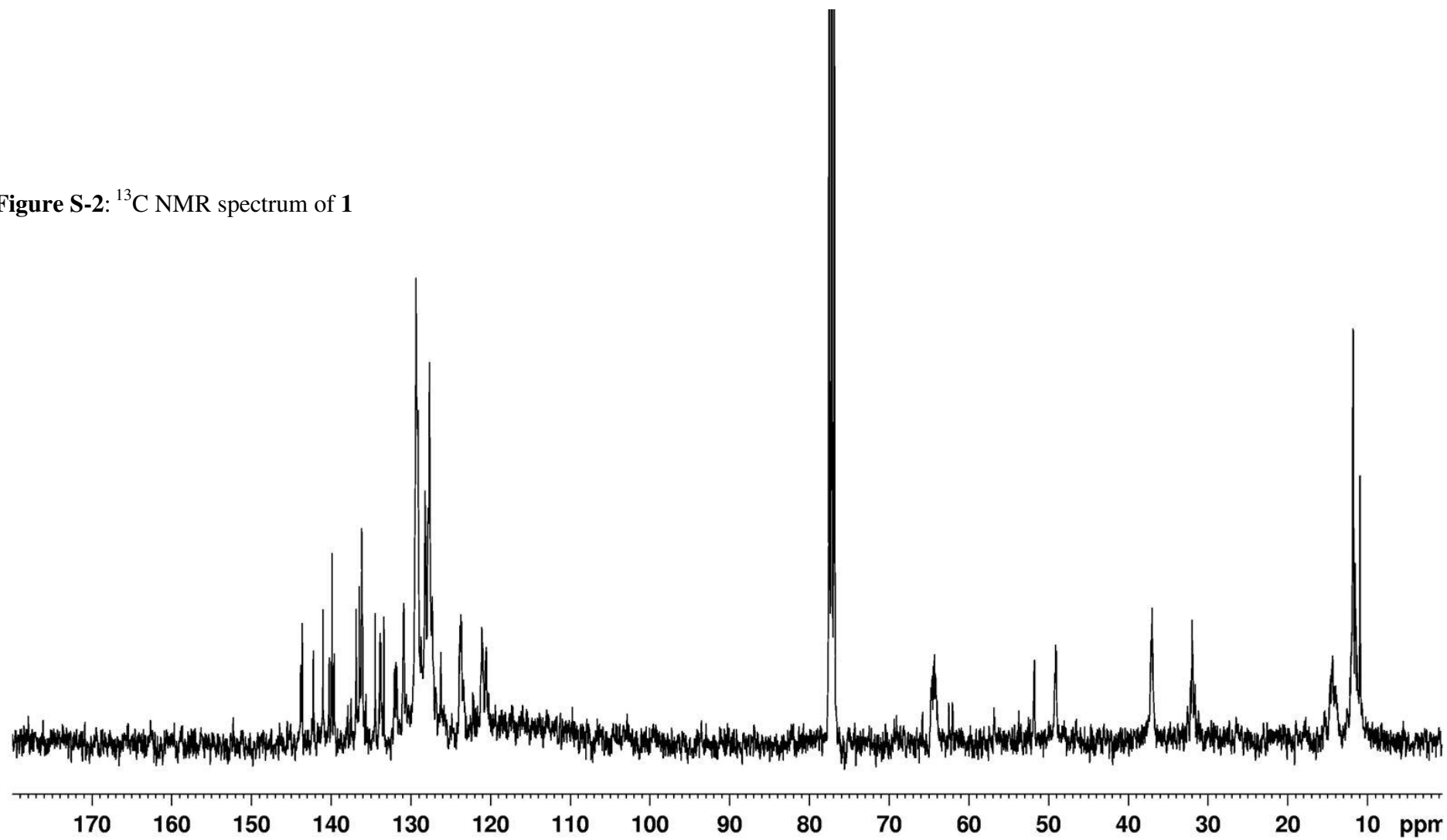


Figure S-3: ^1H – ^{13}C HMQC NMR spectrum of **1**

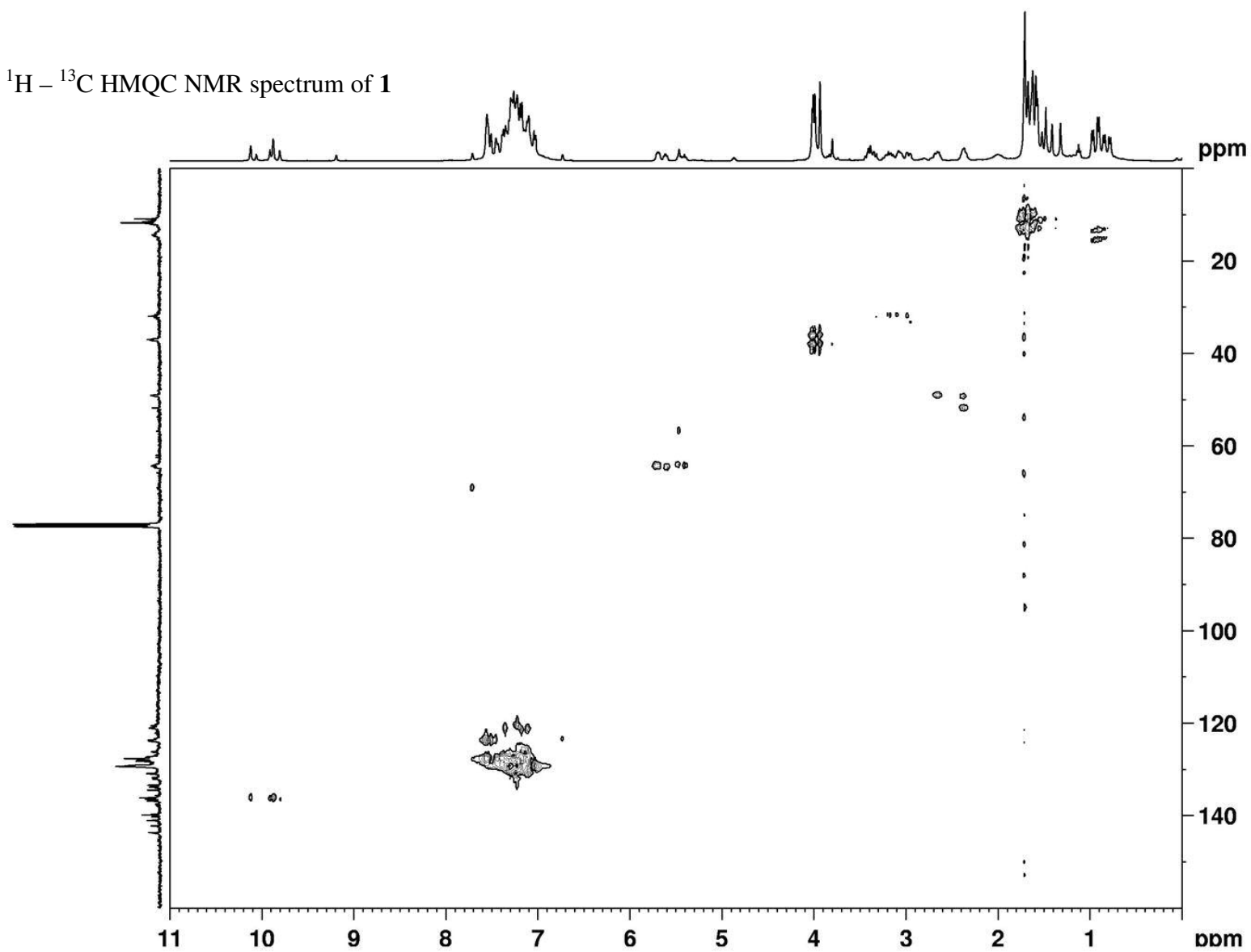


Figure S-4: ^1H – ^1H COSY NMR spectrum of **1**

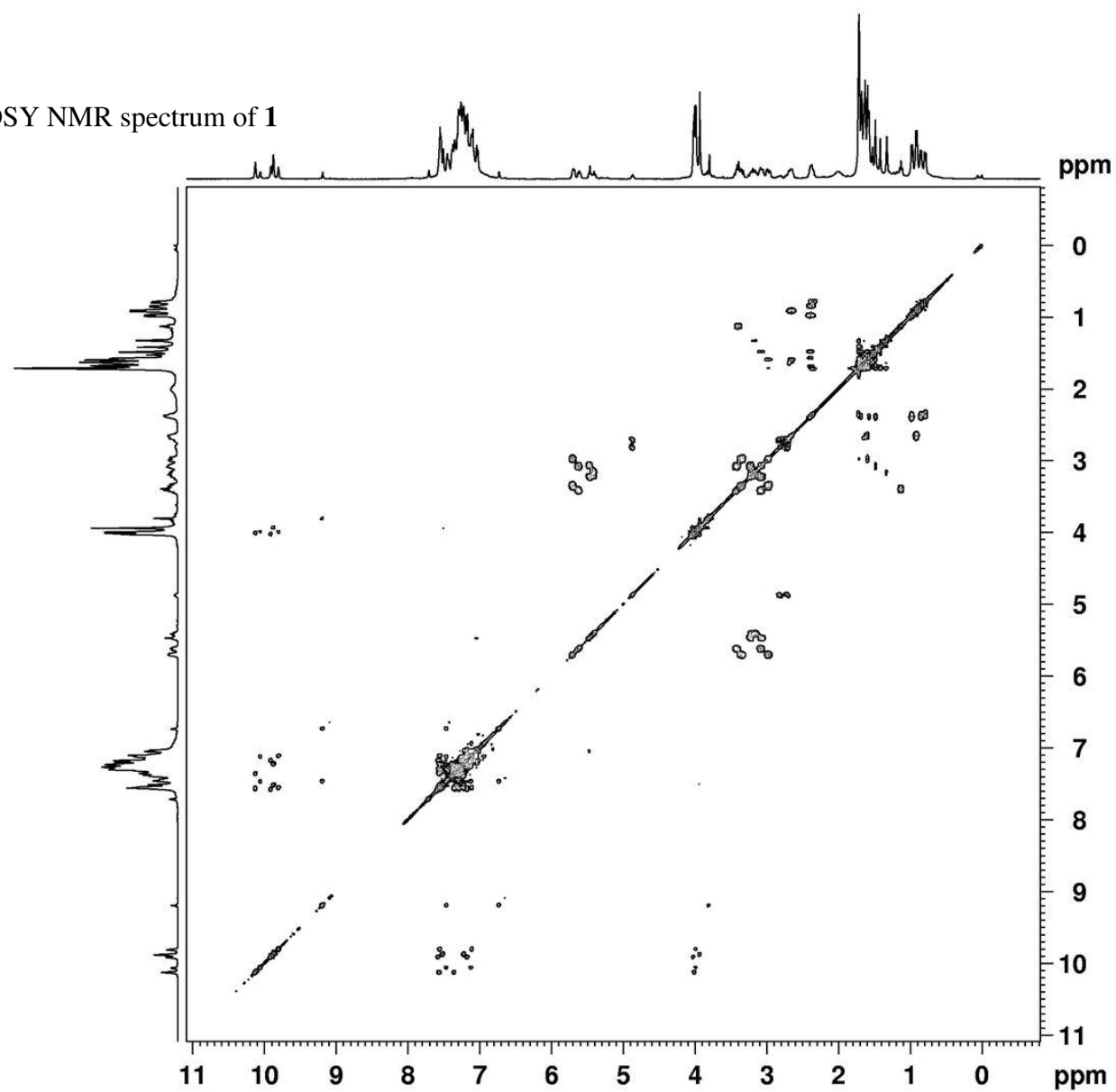


Figure S-5: ^1H NMR spectrum of **2**

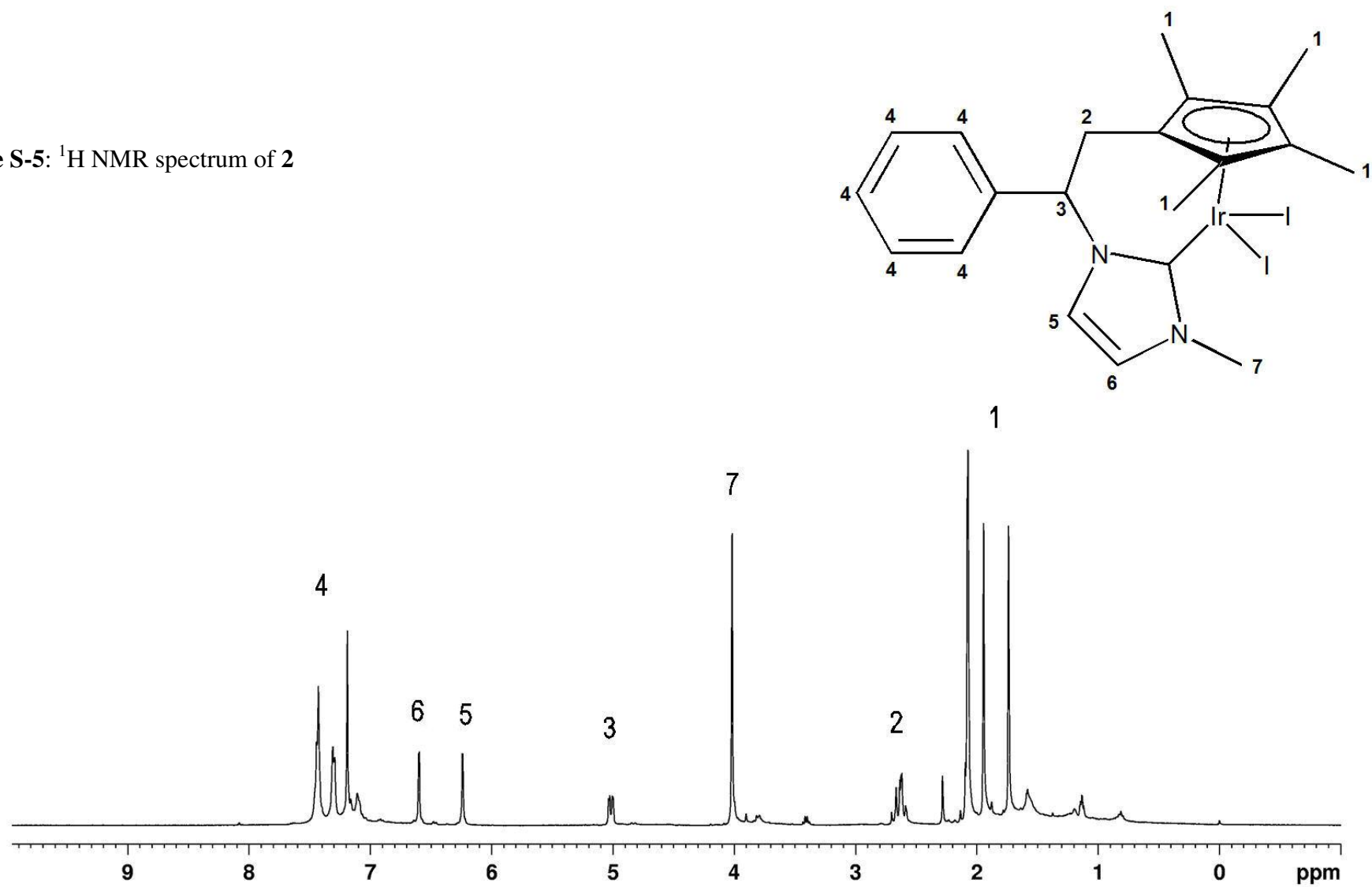


Figure S-6: ^{13}C NMR spectrum of **2**

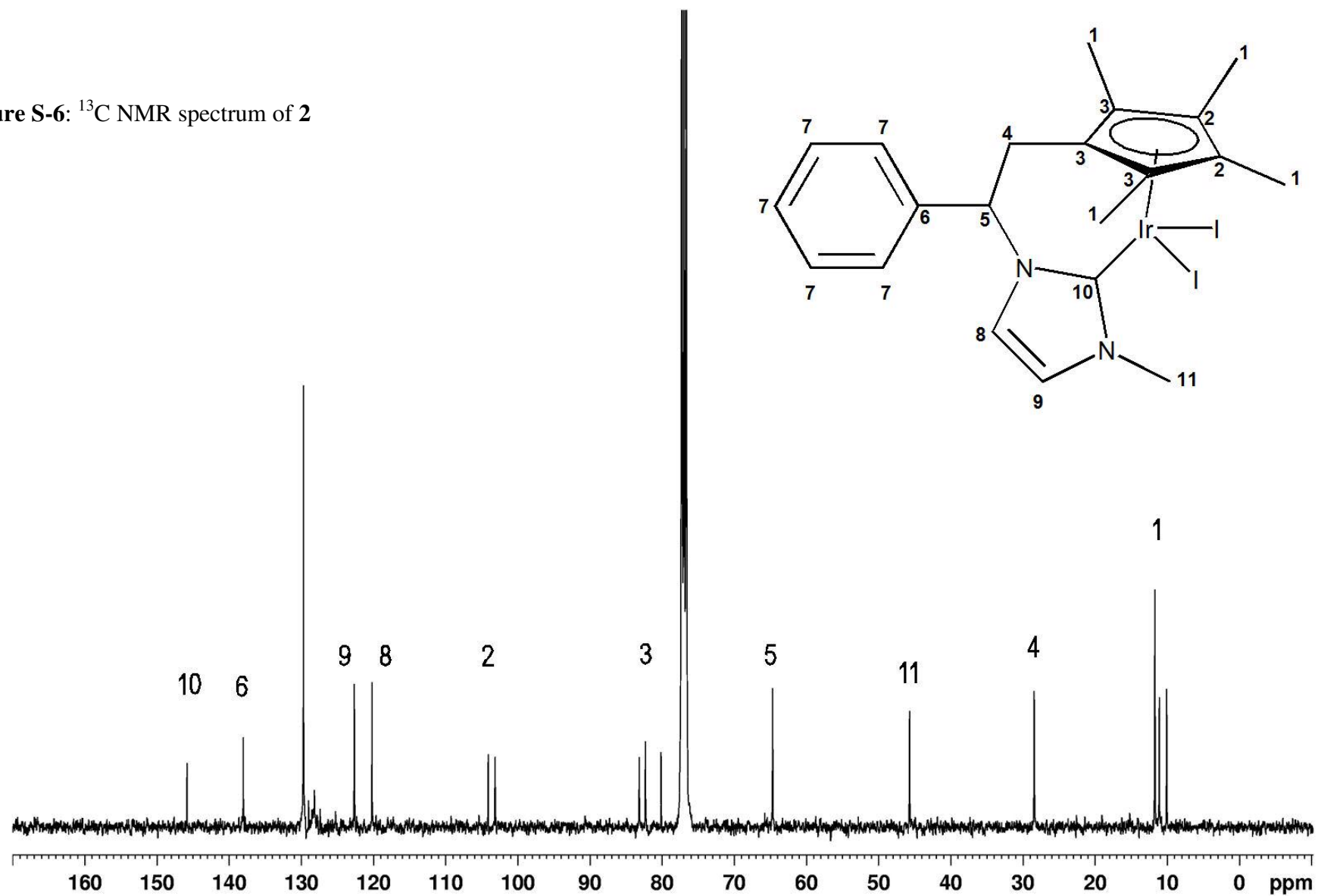


Figure S-7: ^1H – ^{13}C HMQC NMR spectrum of **2**

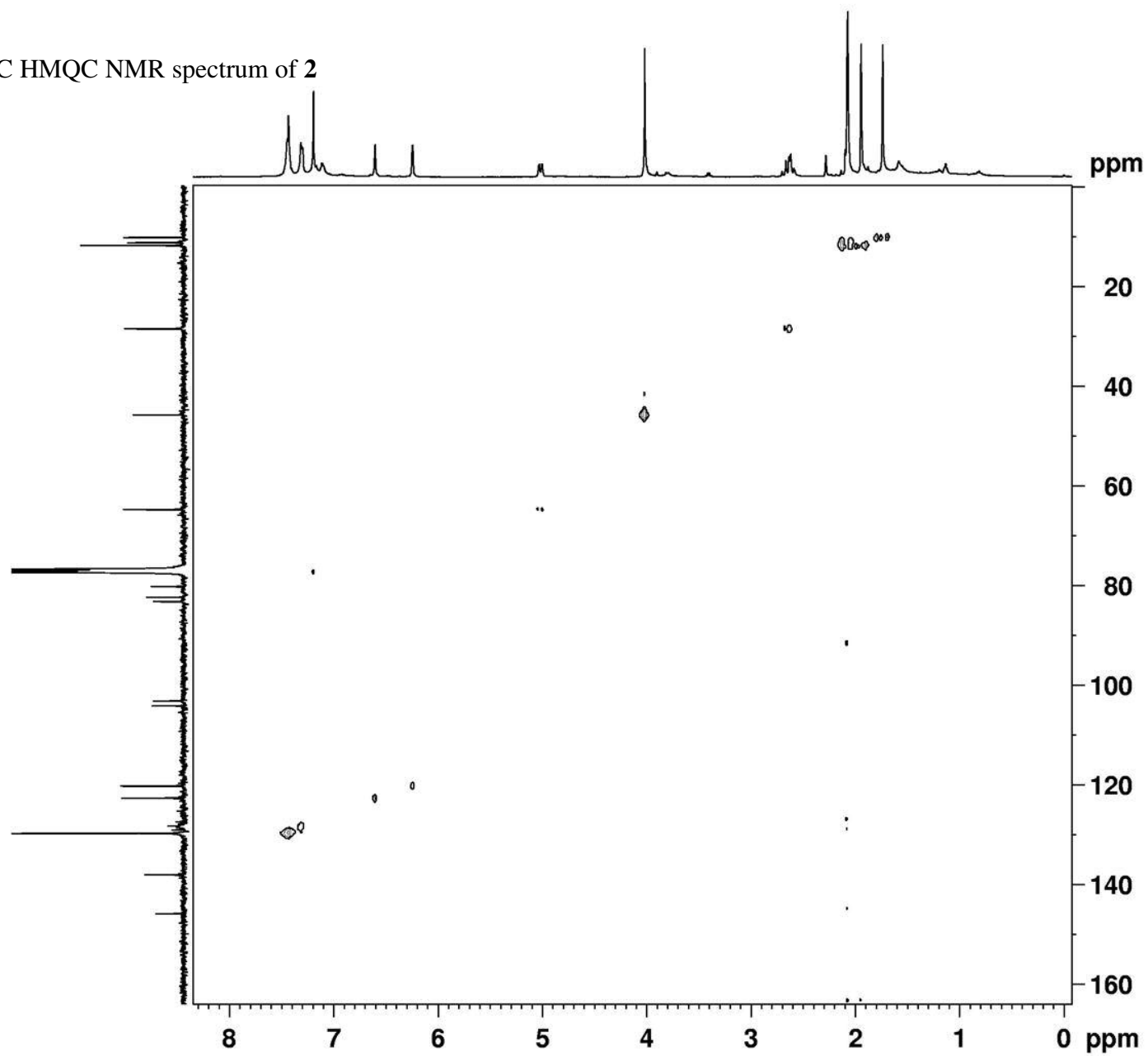


Figure S-8: ^1H – ^{13}C HMBC NMR spectrum of **2**

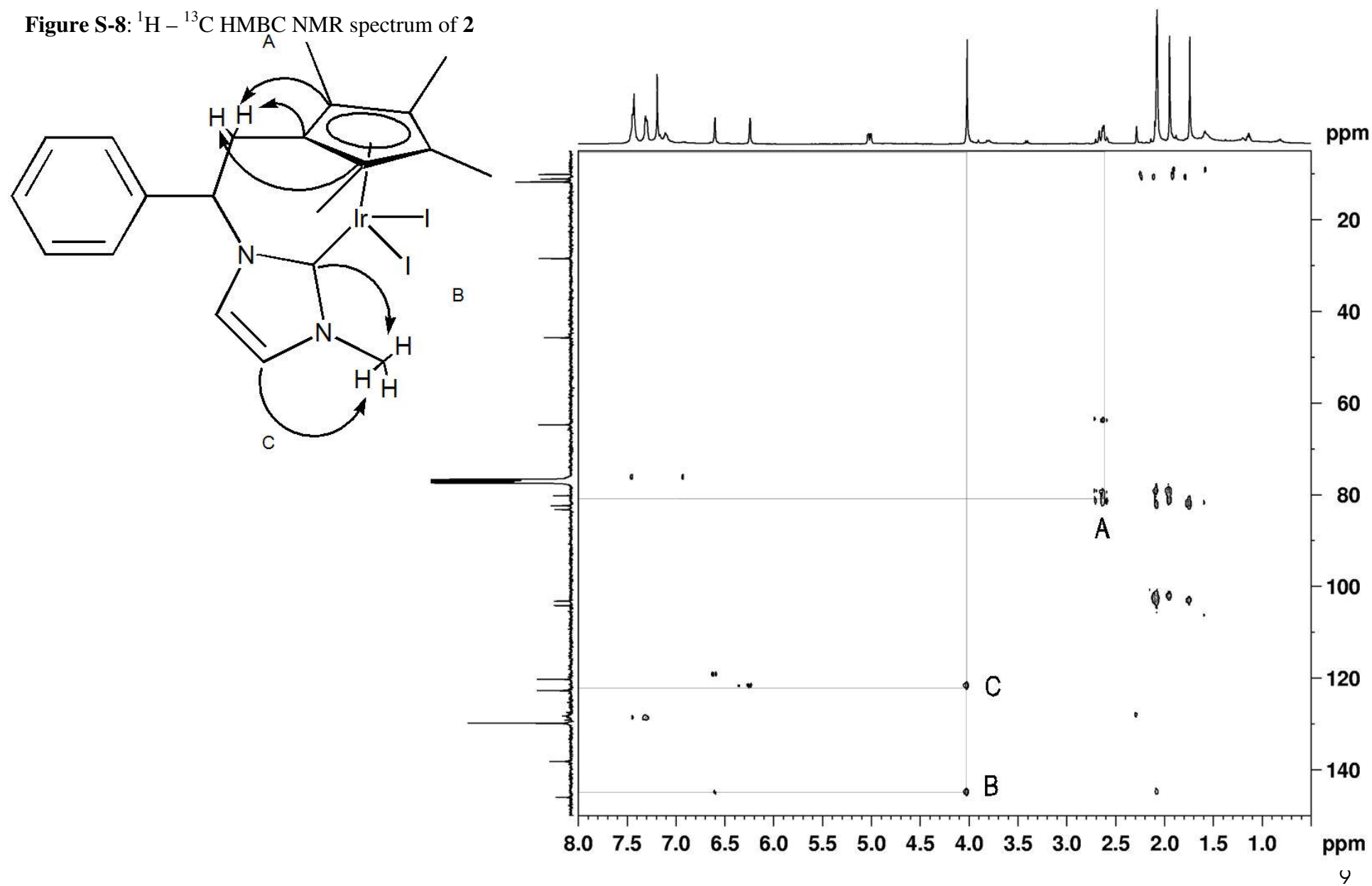


Figure S-9: ^1H – ^1H COSY NMR spectrum of **2**

