

Synthesis and Electronic Properties of *N*-Heterocyclic Carbene-conducting coinage metallopolymer

Chinnadurai Satheeshkumar,¹ Ji-Young Park,¹ Dong-Cheol Jeong,¹ Sung Gu Song,¹ Jaemin Lee,²
and Changsik Song*,¹

¹*Department of Chemistry, Sungkyunkwan University, Suwon, Gyeonggi 440-746, Republic of
Korea*

²*Korea Research Institute of Chemical Technology (KRICT), Daejeon 305-600, Republic of
Korea*

E-mail: songcs@skku.edu

	Contents	Page No
Figure S1	XPS spectra of Poly(BT-NHC-AgCl) , Poly(BT-NHC-AgCl) and Poly(BT-NHC-AuCl)	S2
Figure S2	¹ H-NMR spectrum of BT-NHC-CuCl	S3
Figure S3	¹³ C-NMR spectrum of BT-NHC-CuCl	S4
Figure S4	¹ H-NMR spectrum of Br-NHC-CuCl	S5
Figure S5	¹³ C-NMR spectrum of Br-NHC-CuCl	S6

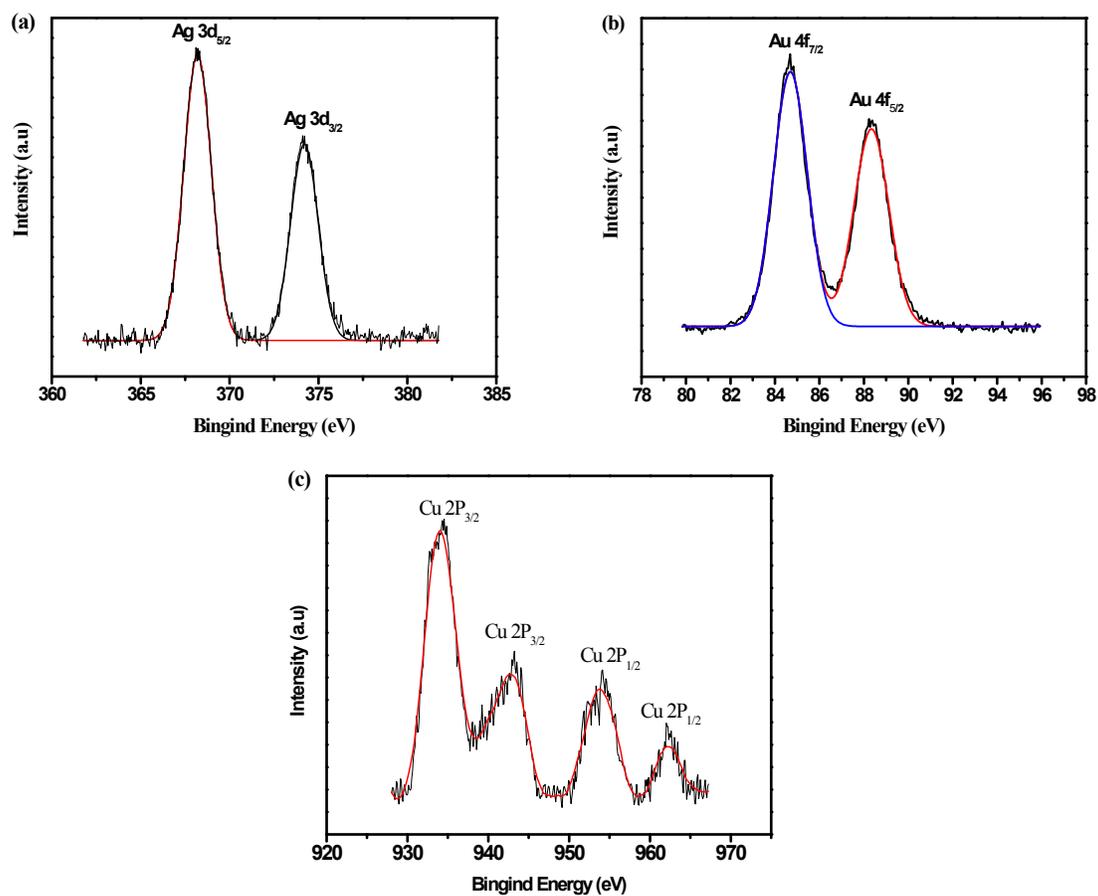


Figure S1. X-ray photoelectron spectra of (a) Poly(BT-NHC-AgCl), (b) Poly(BT-NHC-AuCl) and (c) Poly(BT-NHC-CuCl)

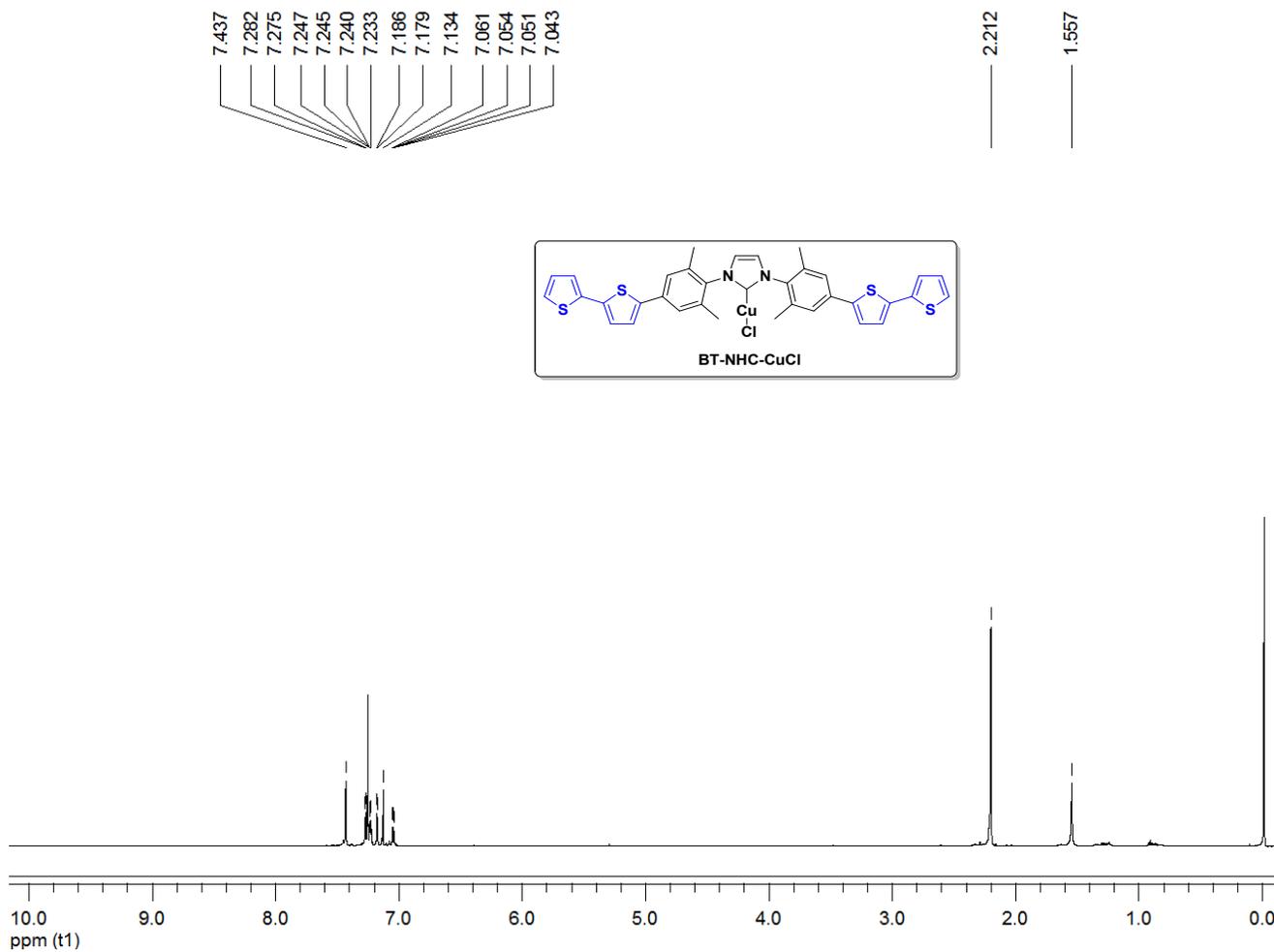


Figure S2. ^1H NMR spectrum of **BT-NHC-CuCl** (500 MHz, CDCl_3)

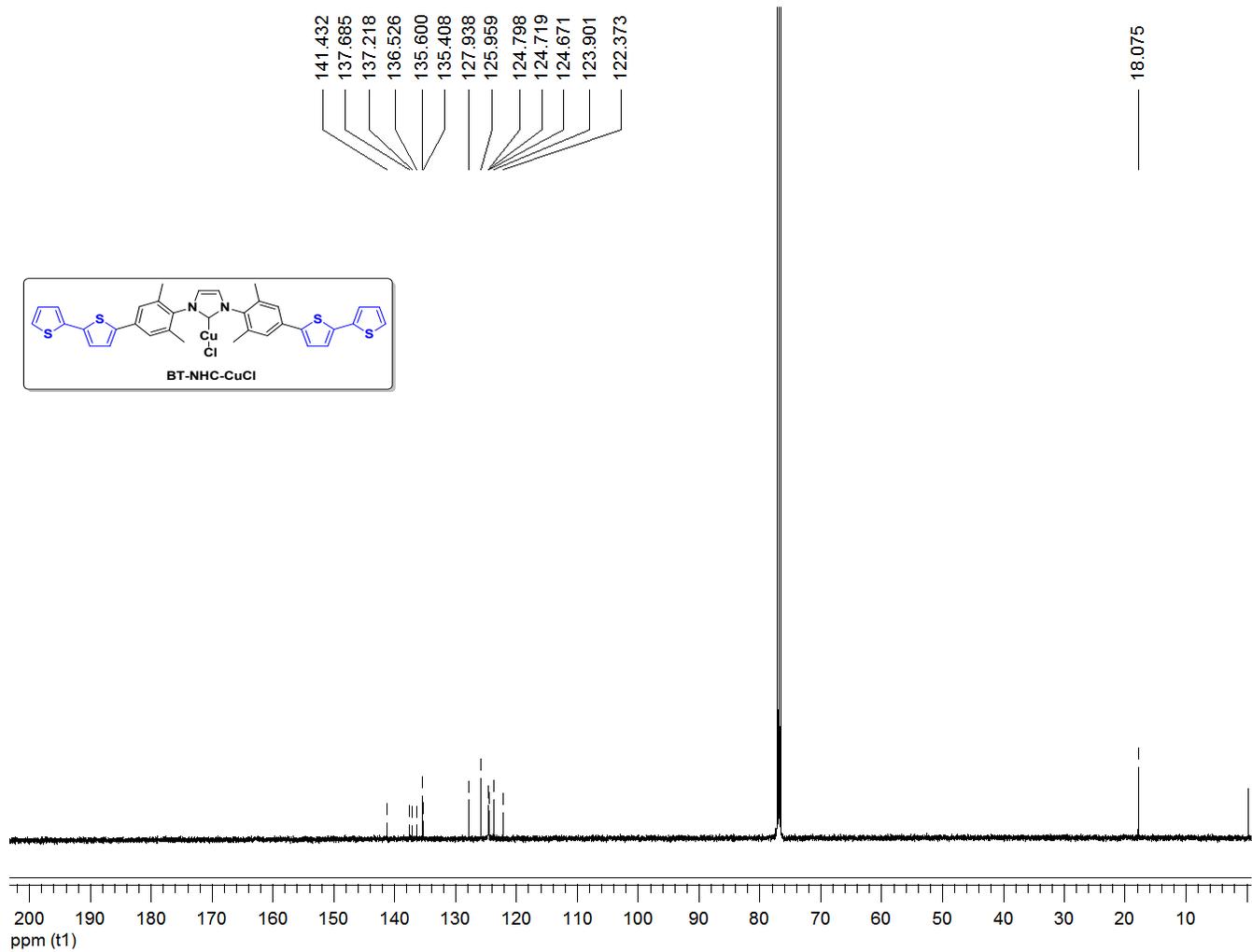


Figure S3. ¹³C NMR spectrum of **BT-NHC-CuCl** (125 MHz, CDCl₃)

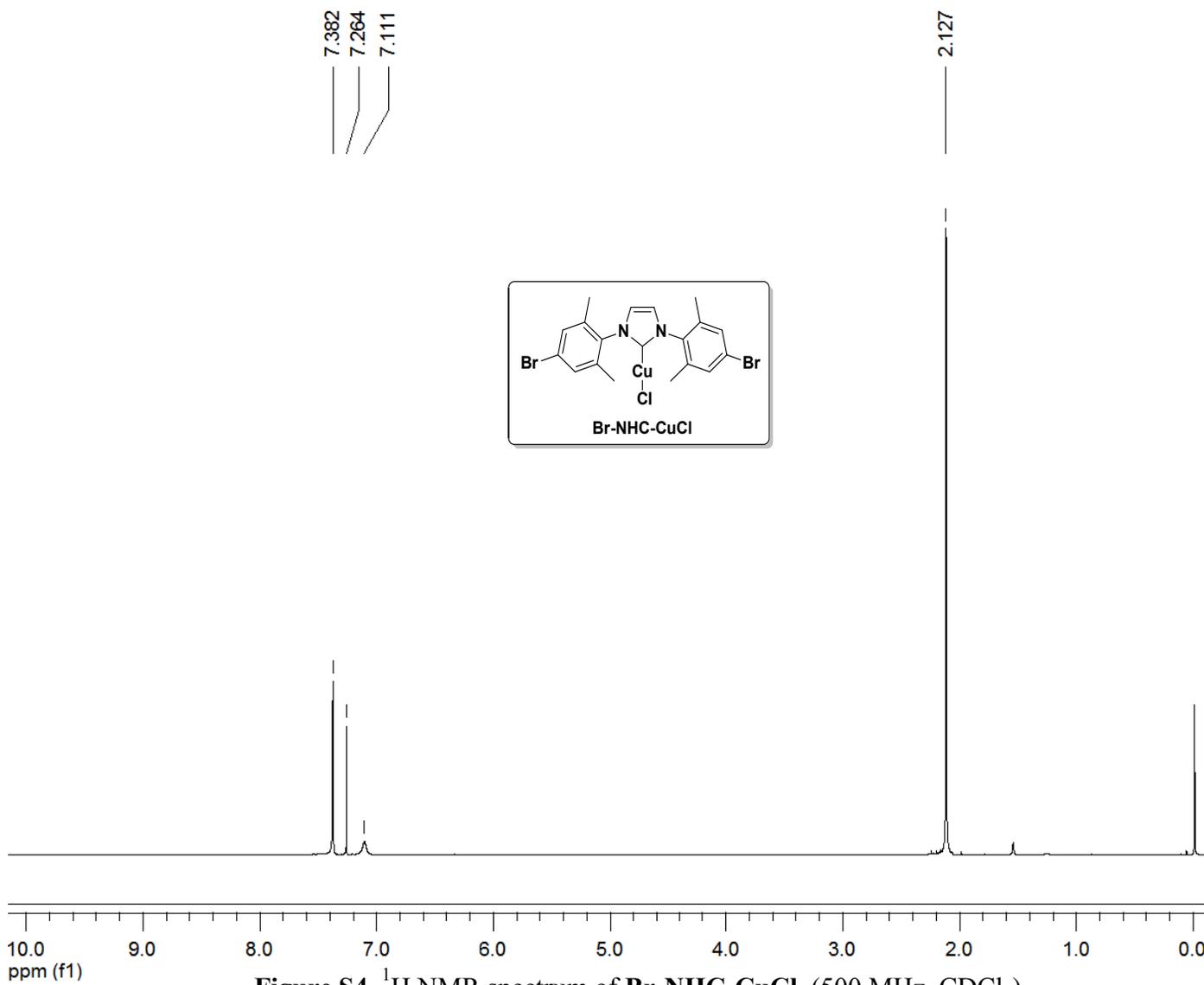


Figure S4. ^1H NMR spectrum of Br-NHC-CuCl (500 MHz, CDCl_3)

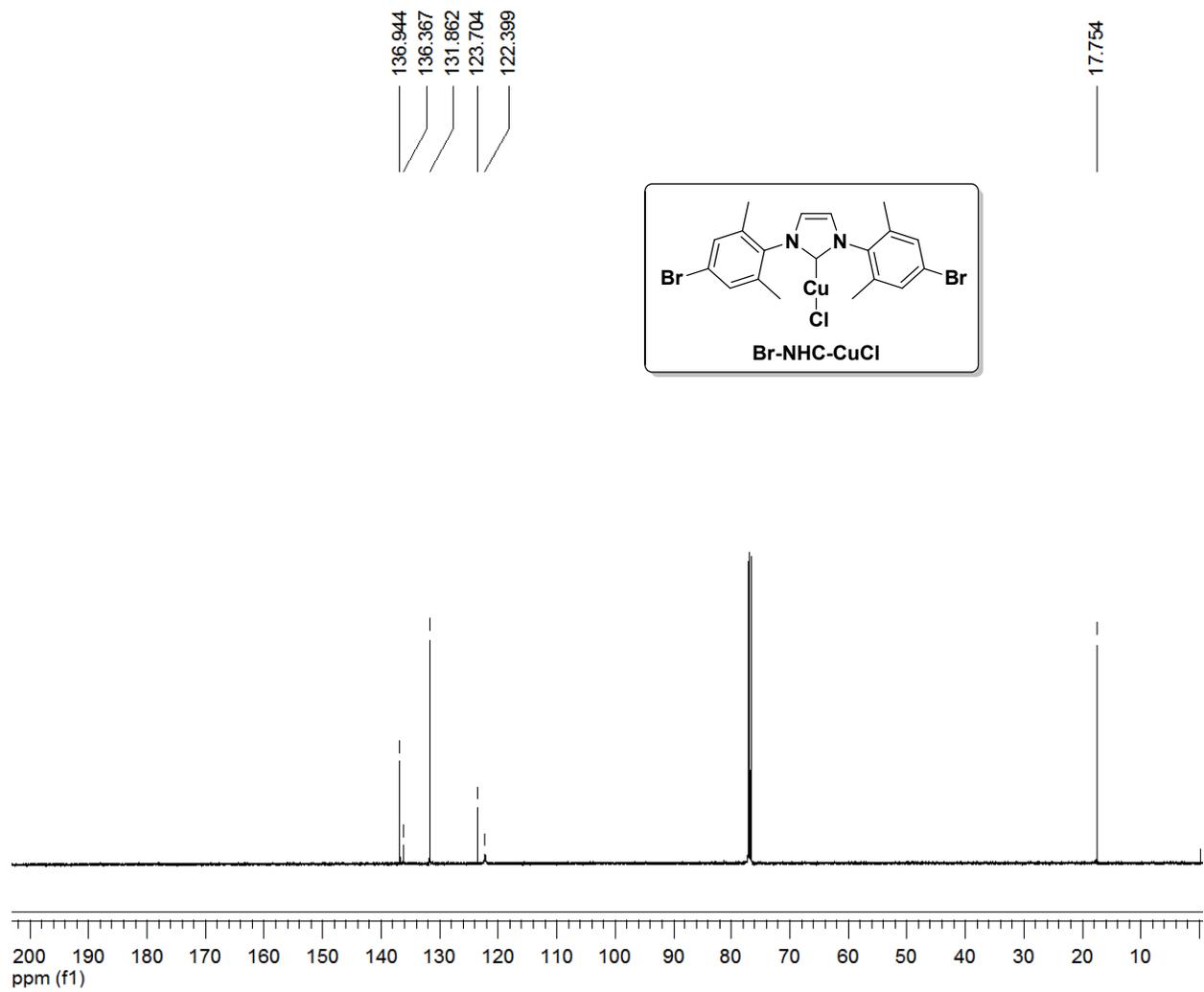


Figure S5. ^{13}C NMR spectrum of **Br-NHC-CuCl** (125 MHz, CDCl_3)