Supporting information for
Syntheses and properties of core-substituted naphthalene bisimides with aryl ethynyl or cyano groups

Stéphanie Chopin, Frédéric Chaignon, Errol Blart, Fabrice Odobel*

Université de Nantes, Nantes Atlantique Universités, CNRS, Faculté des Sciences et des Techniques, Laboratoire de Synthèse Organique (LSO), UMR CNRS 6513, 2, rue de la Houssinière – BP 92208 – 44322 NANTES Cedex 3 ; E-mail address : Tel : (33)-2-51-12-54-29.

Contents

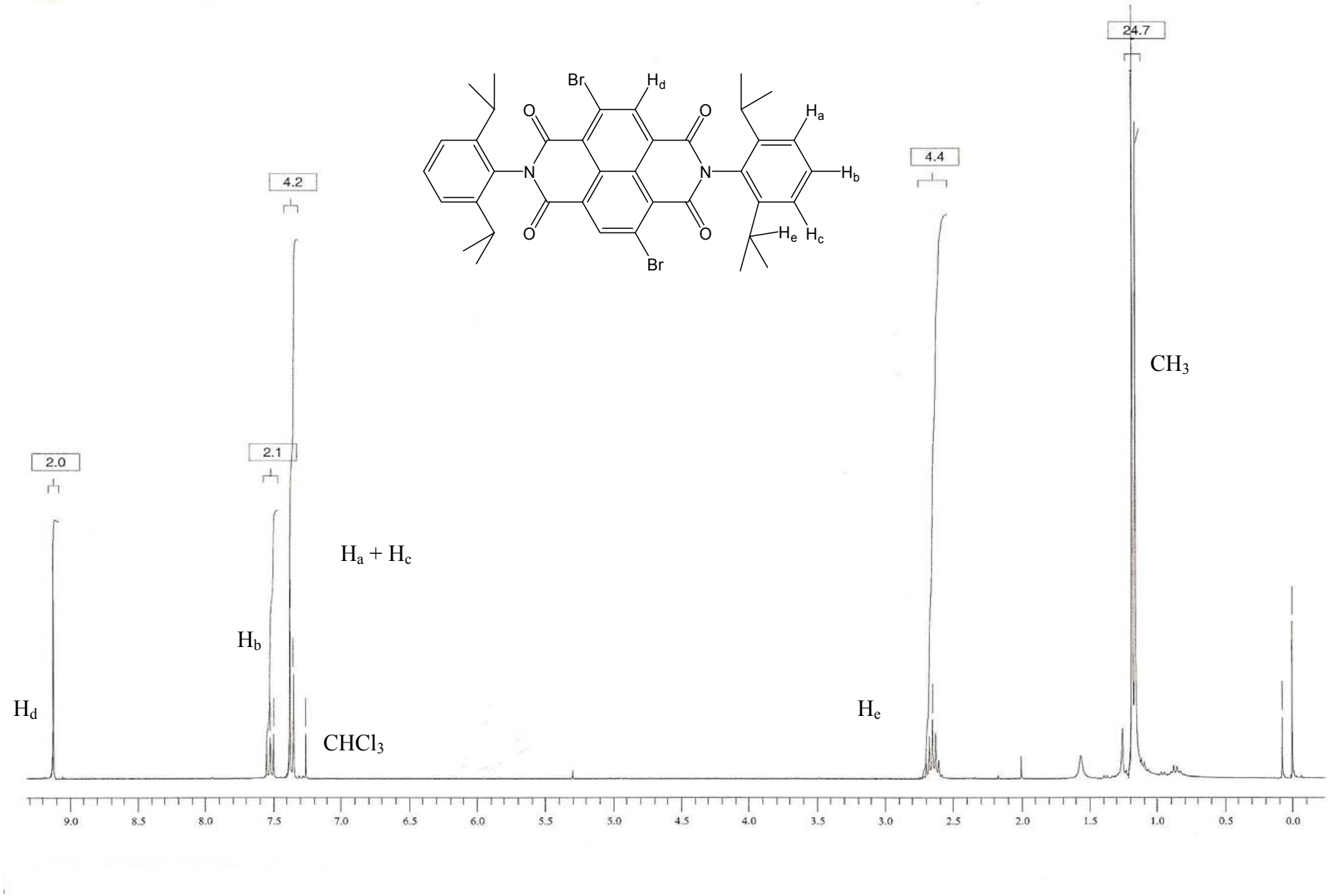

Figure S1: ^{1}H NMR spectrum of **2** in $CDCl_3$ at 298 K.

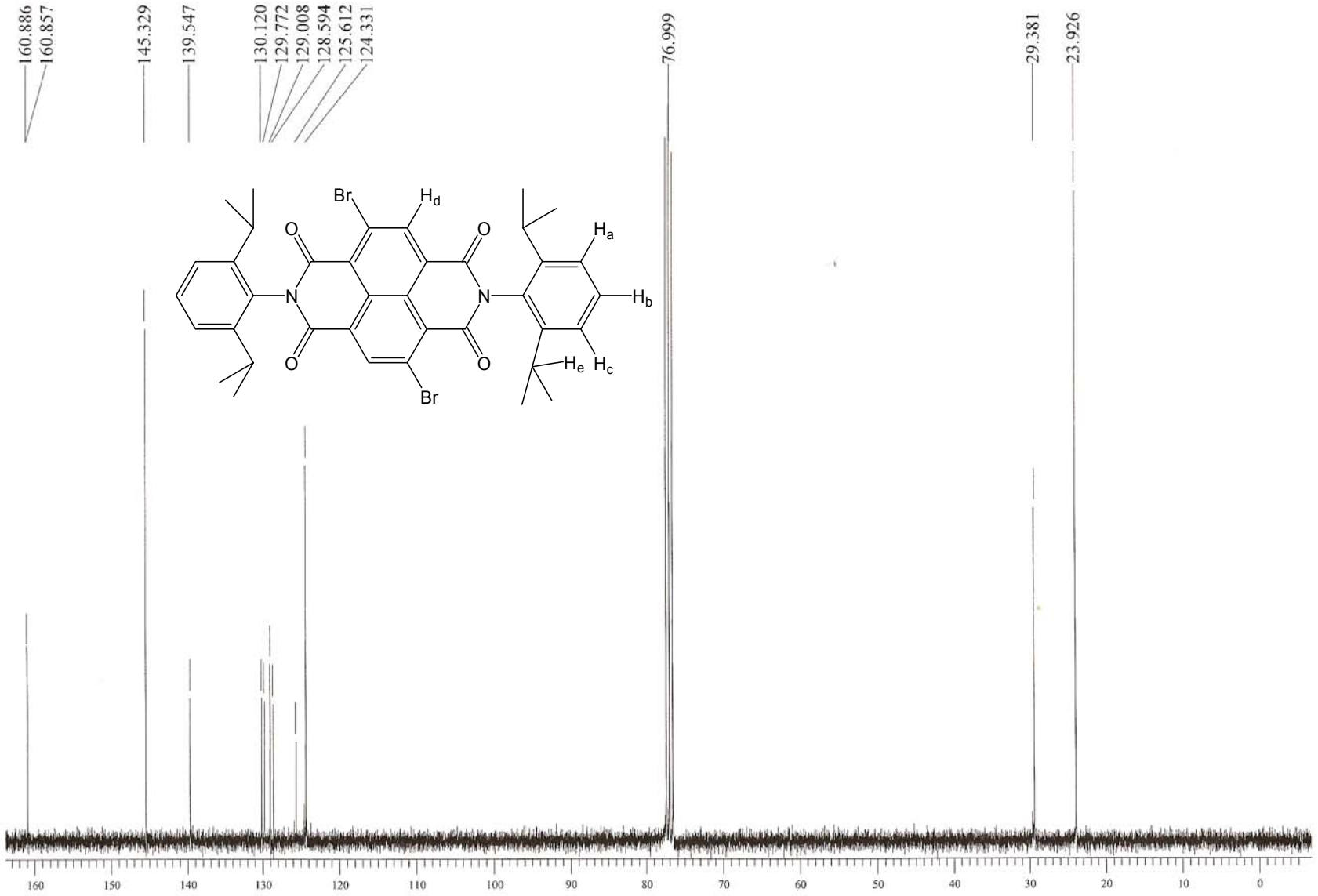

Figure S2 : ^{13}C NMR spectrum of **2** in $CDCl_3$ at 298 K.

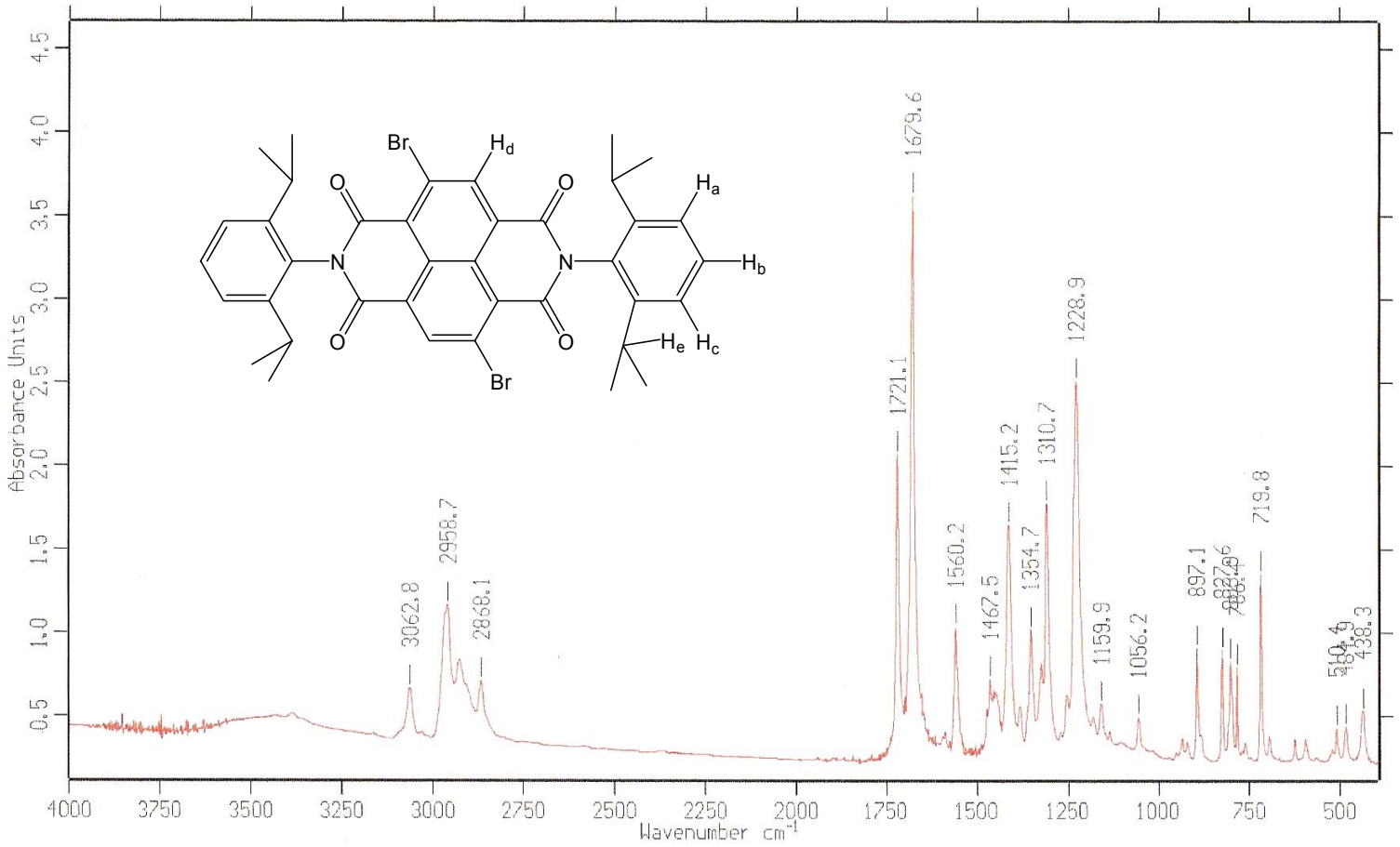

Figure S3 : FTIR spectrum of **2** in KBr pastille at 298 K.

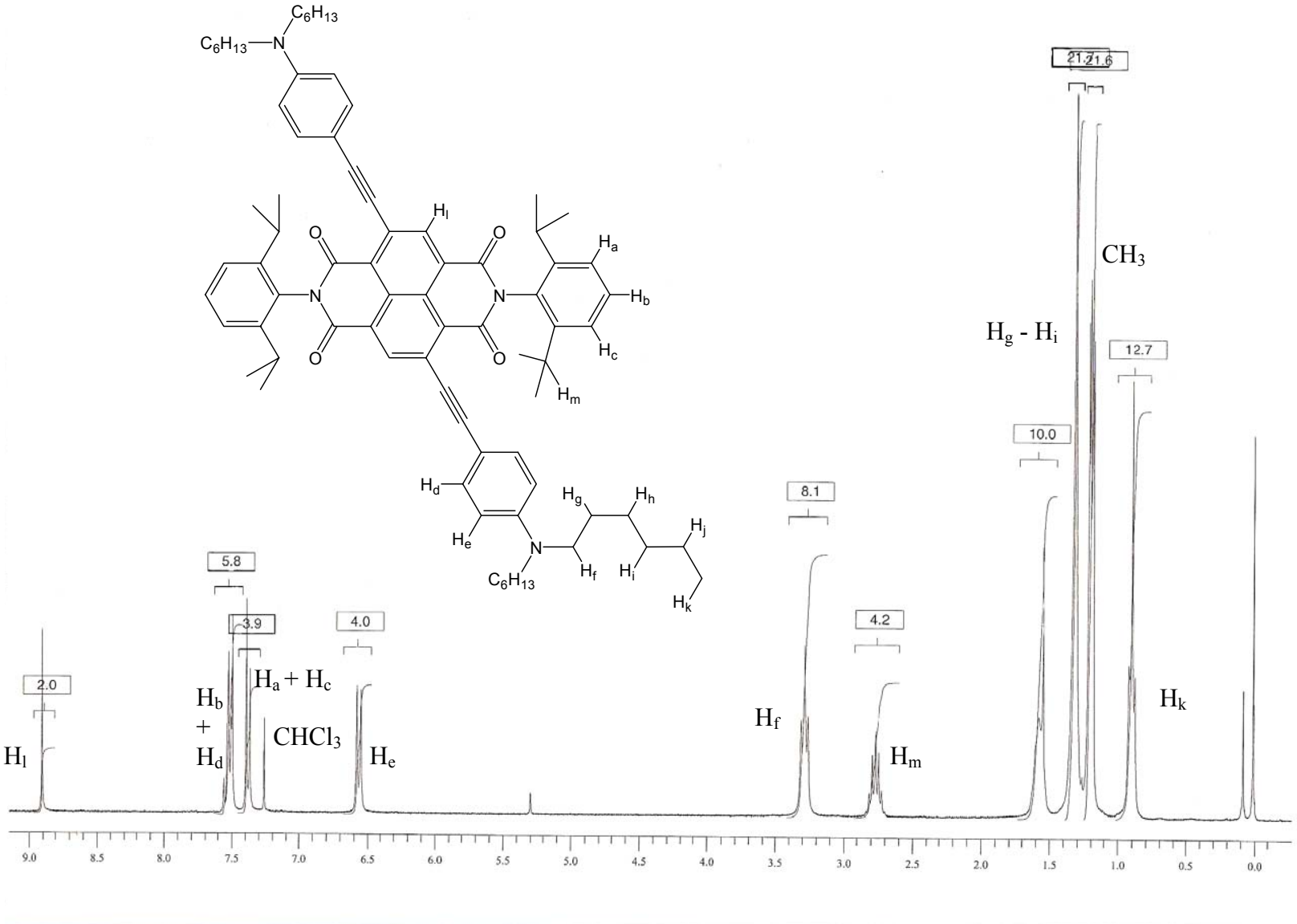

Figure S4: ^{1}H NMR spectrum of **3** in $CDCl_3$ at 298 K.

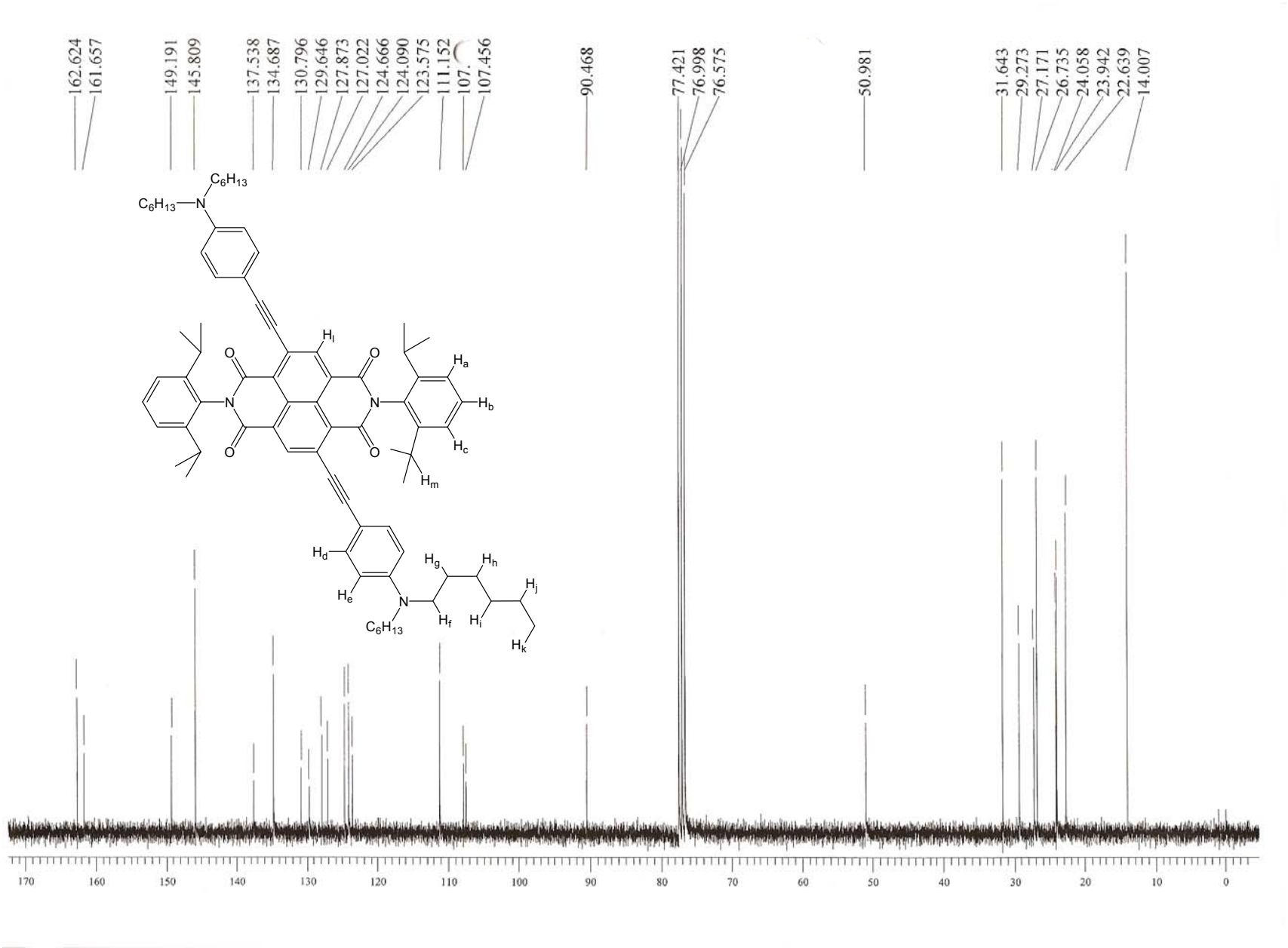

Figure S5: ^{13}C NMR spectrum of **3** in $CDCl_3$ at 298 K.

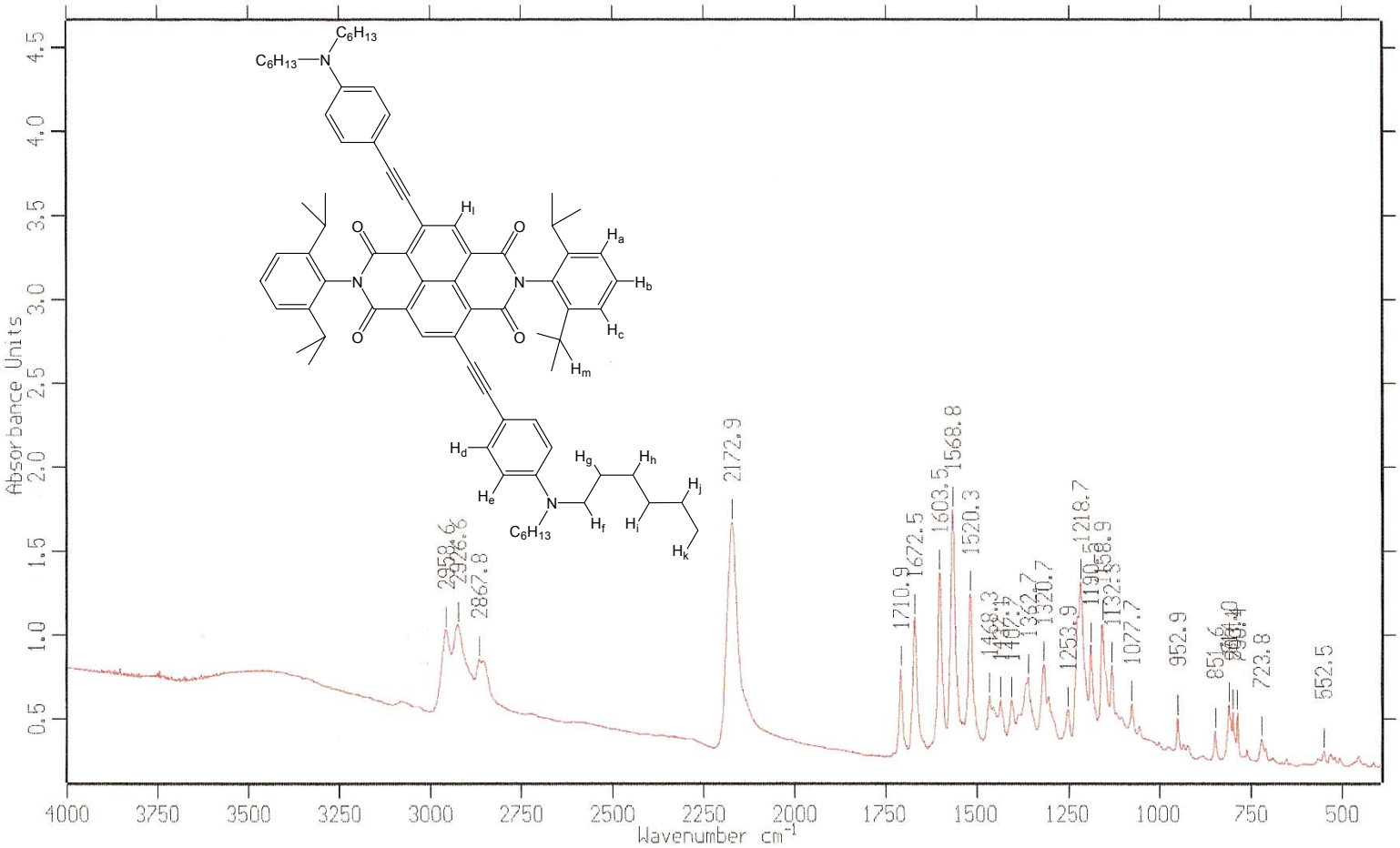

Figure S6: FTIR spectrum of **3** in KBr pastille at 298 K.

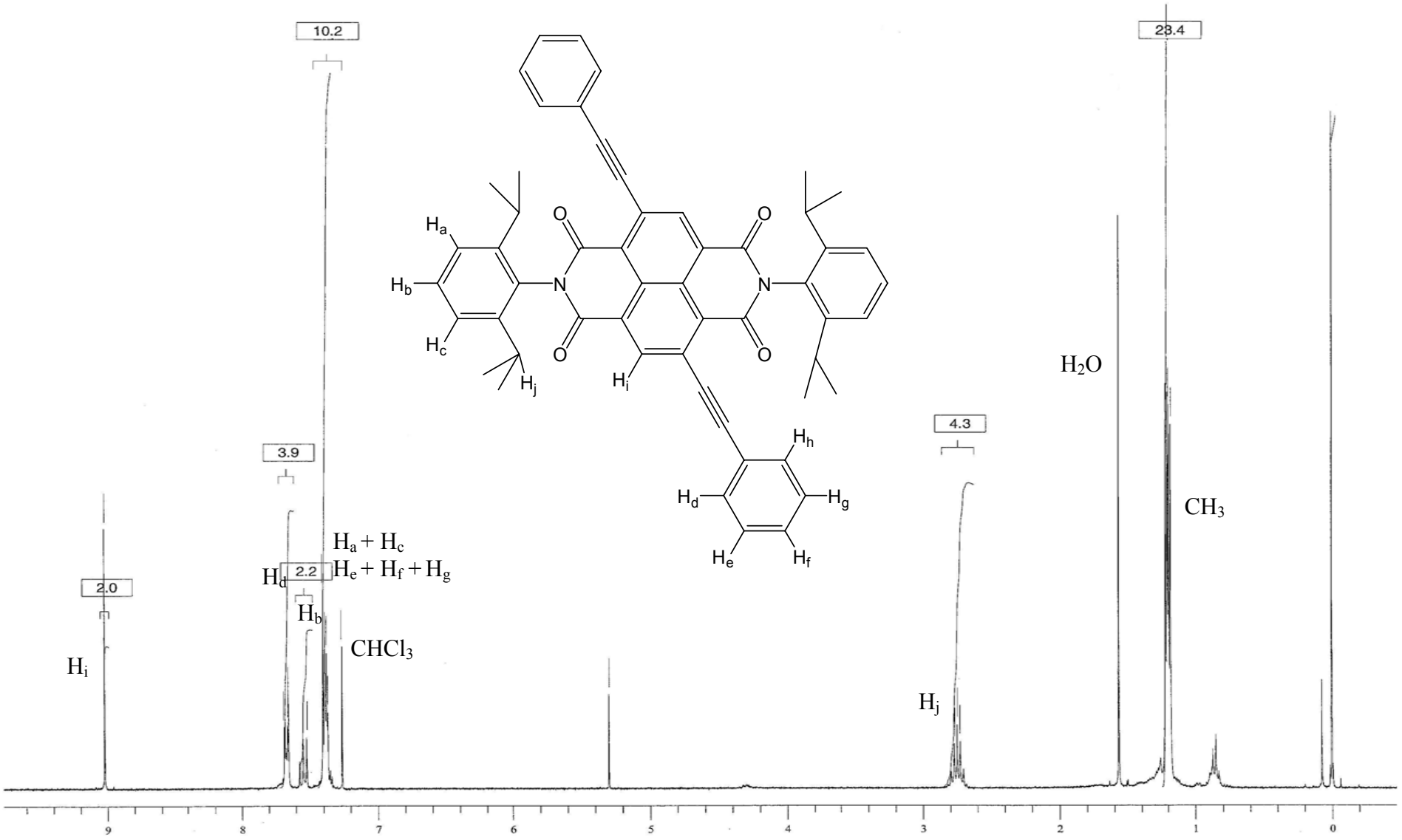

Figure S7: ^{1}H NMR spectrum of **4** in $CDCl_3$ at 298 K.

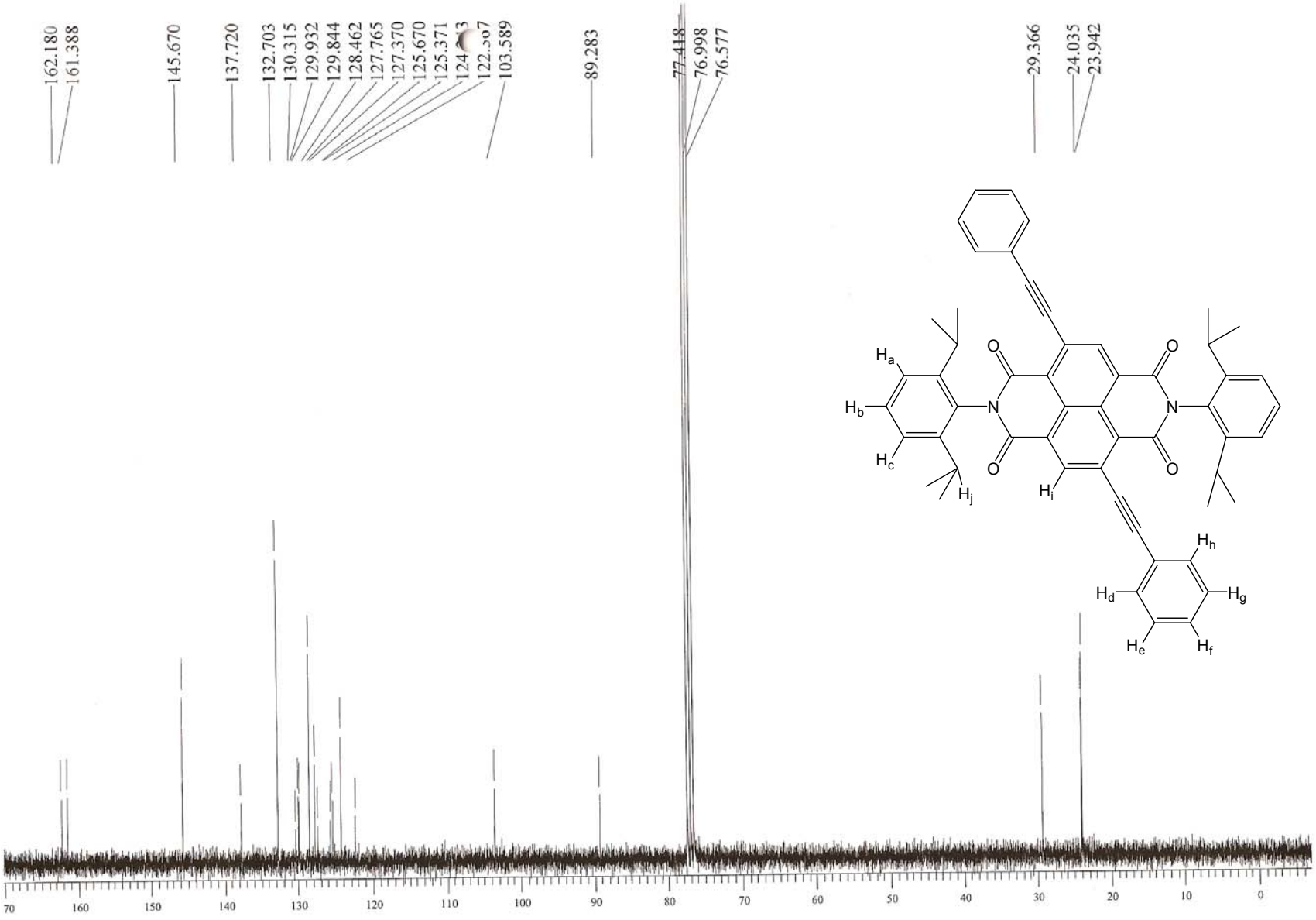

Figure S8 : ^{13}C NMR spectrum of **4** in $CDCl_3$ at 298 K.

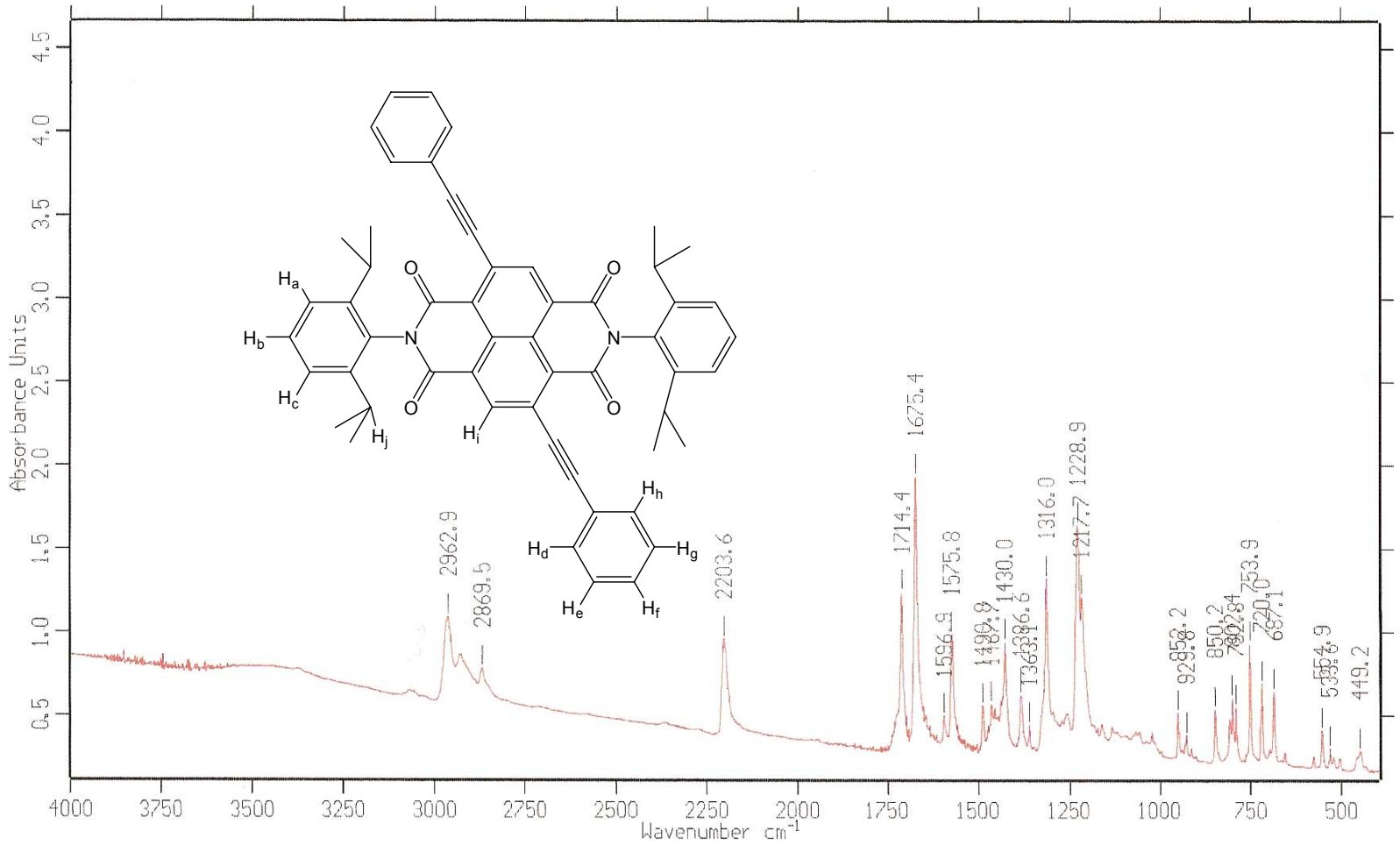

Figure S9 : FTIR spectrum of **4** in KBr pastille at 298 K.

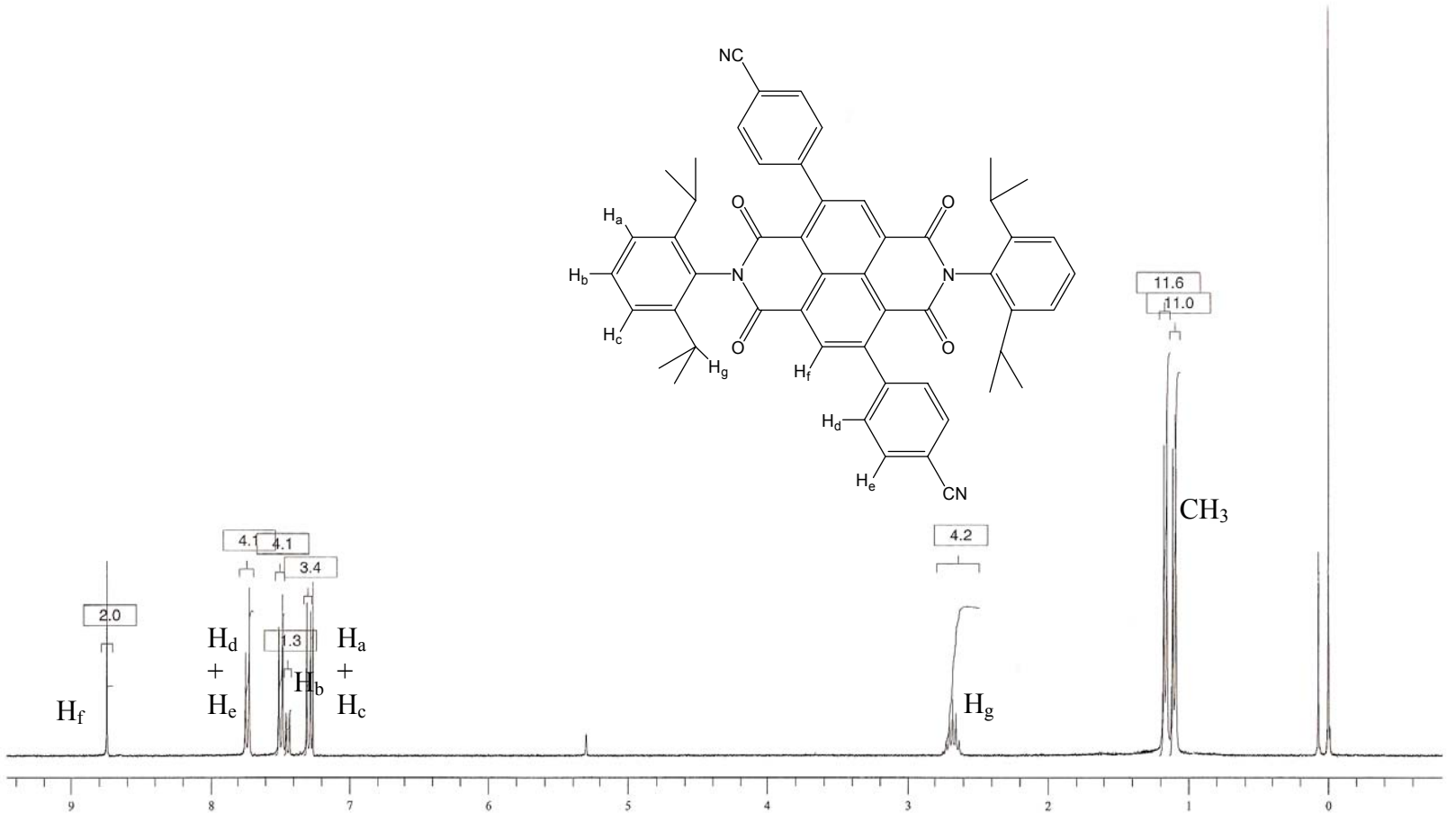

Figure S10: ^{1}H NMR spectrum of **5** in $CDCl_3$ at 298 K.

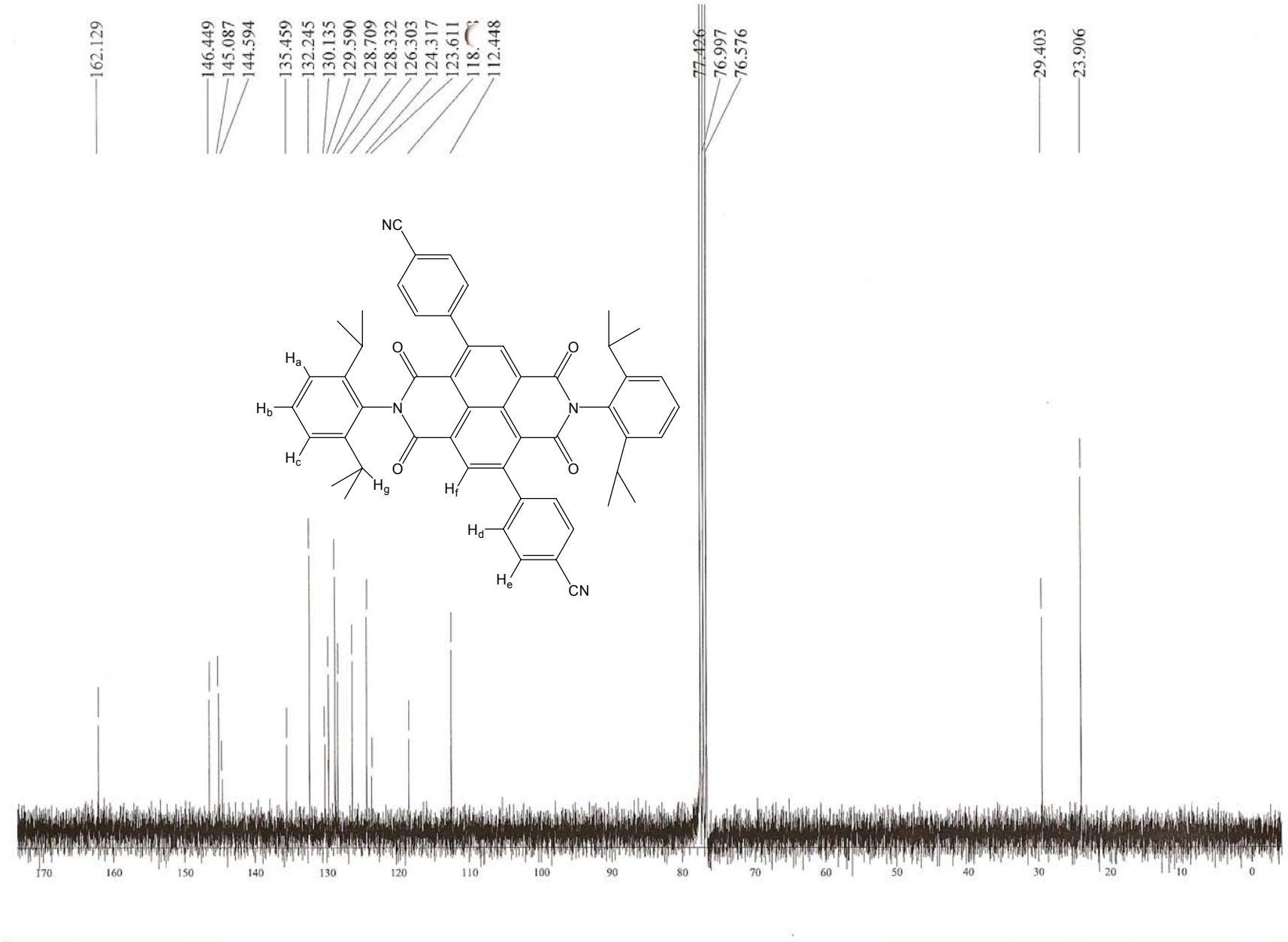

Figure S11: ^{13}C NMR spectrum of **5** in $CDCl_3$ at 298 K.

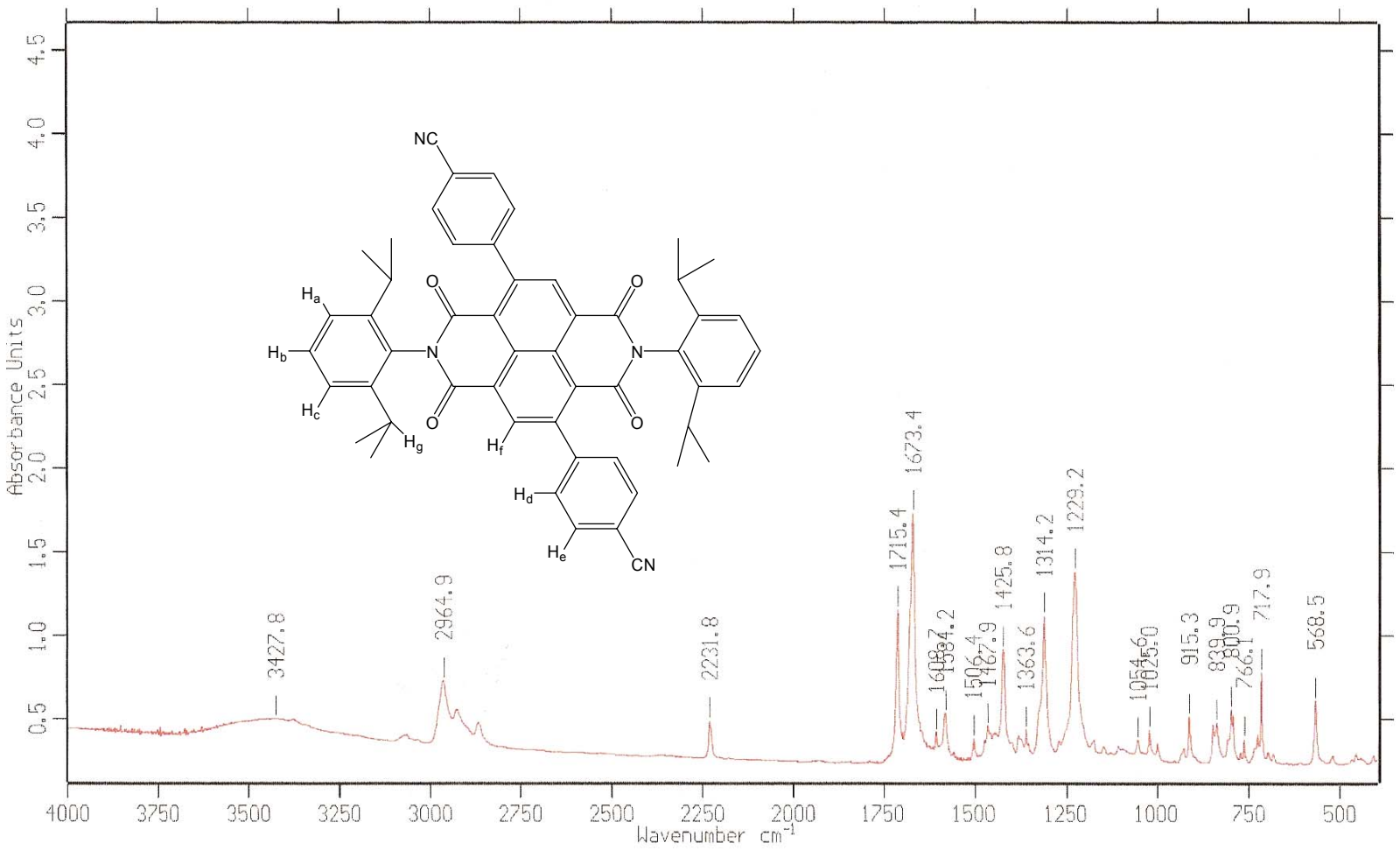

Figure S12: FTIR spectrum of **5** in KBr pastille at 298 K.

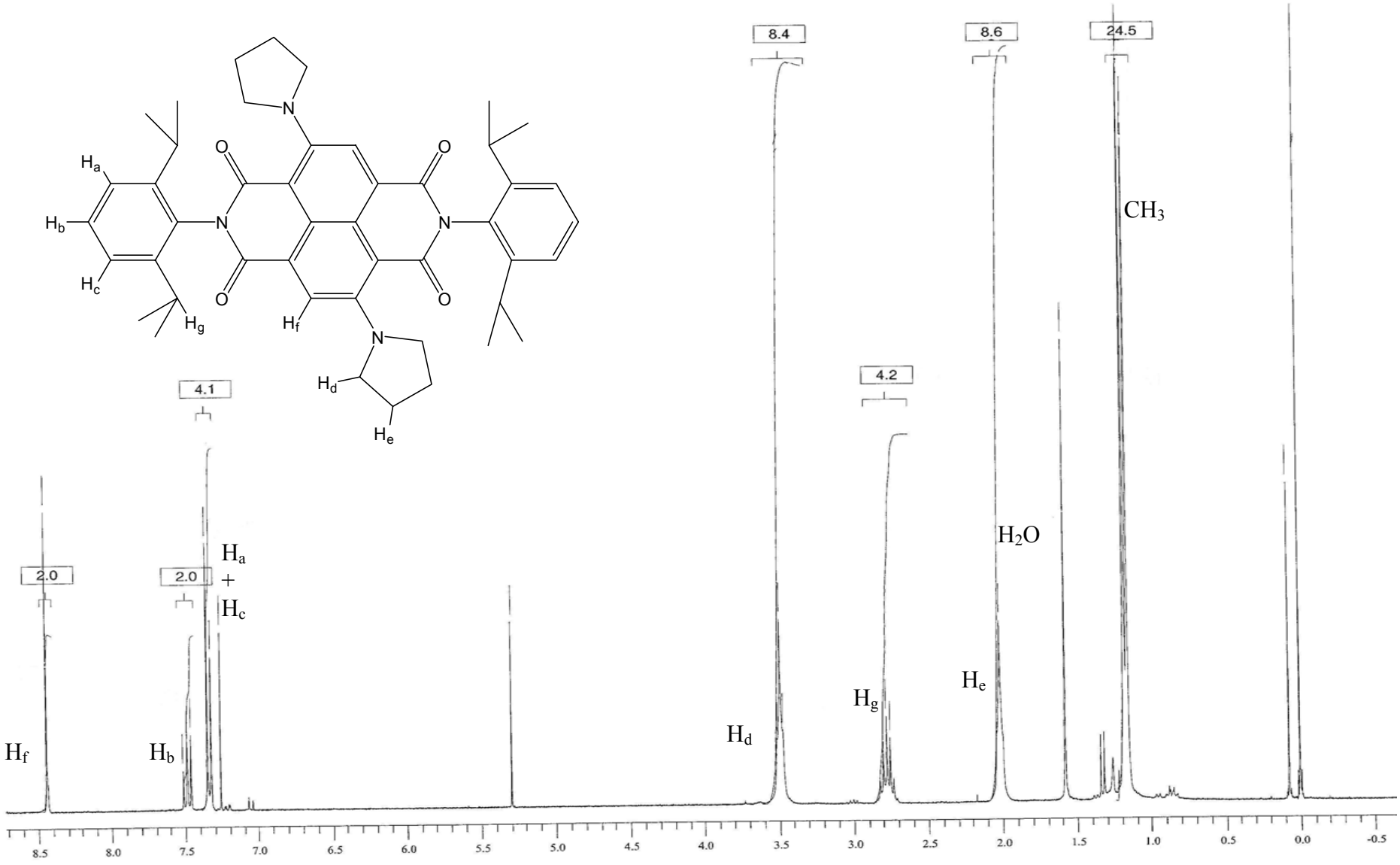

Figure S13: ^{1}H NMR spectrum of **6** in $CDCl_3$ at 298 K.

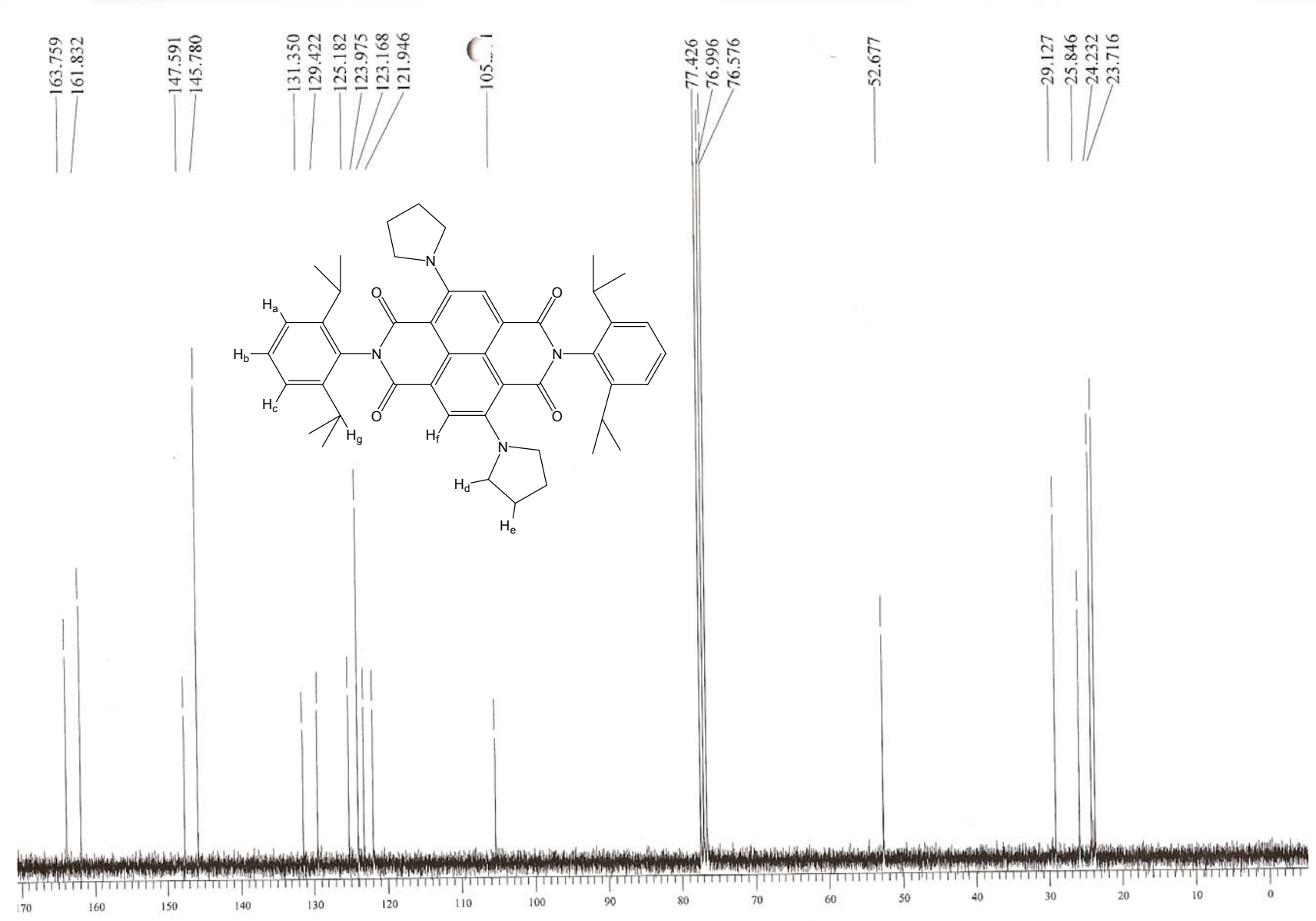

Figure S14: ^{13}C NMR spectrum of **6** in $CDCl_3$ at 298 K.

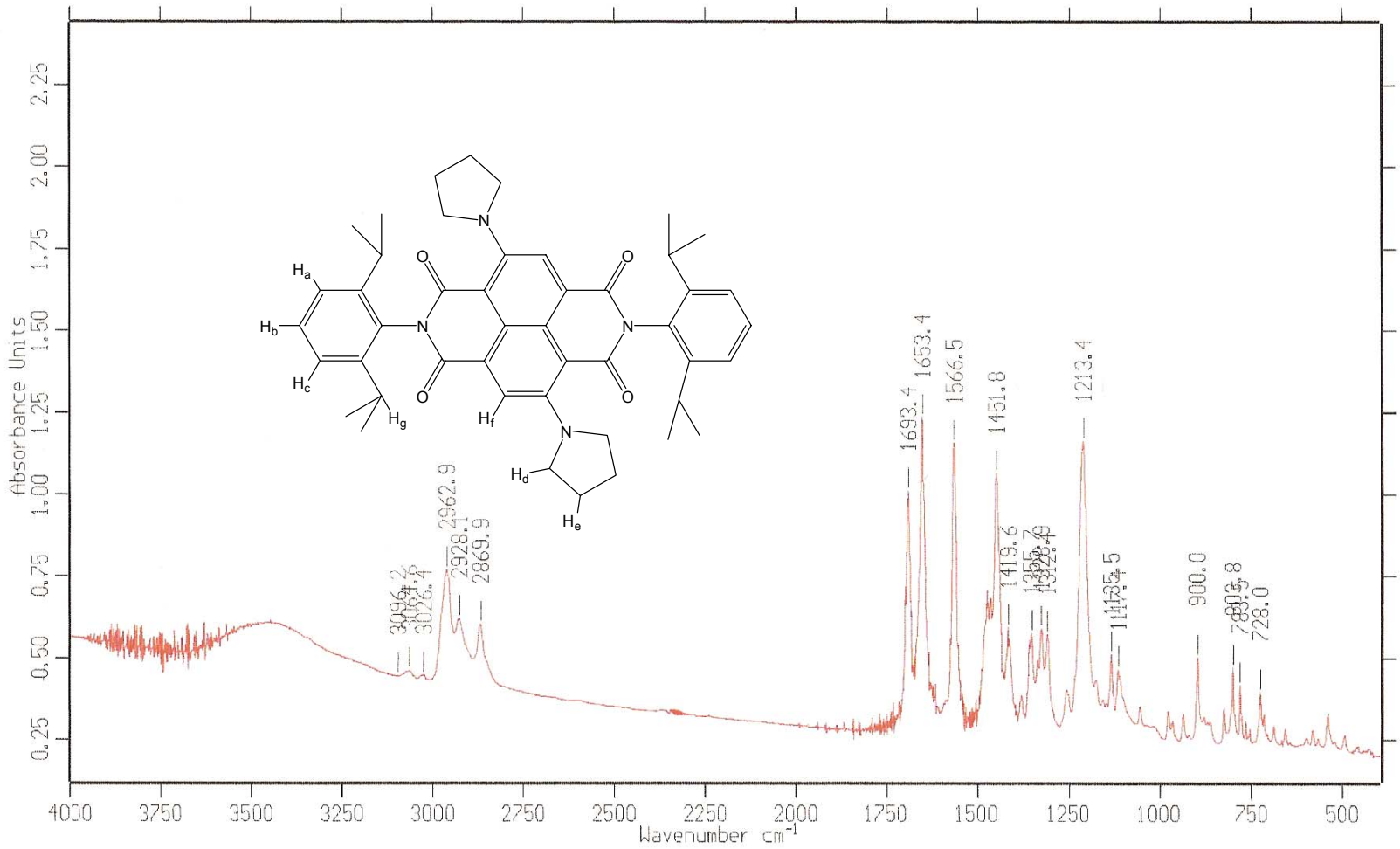

Figure S15: FTIR spectrum of **6** in KBr pastille at 298 K.

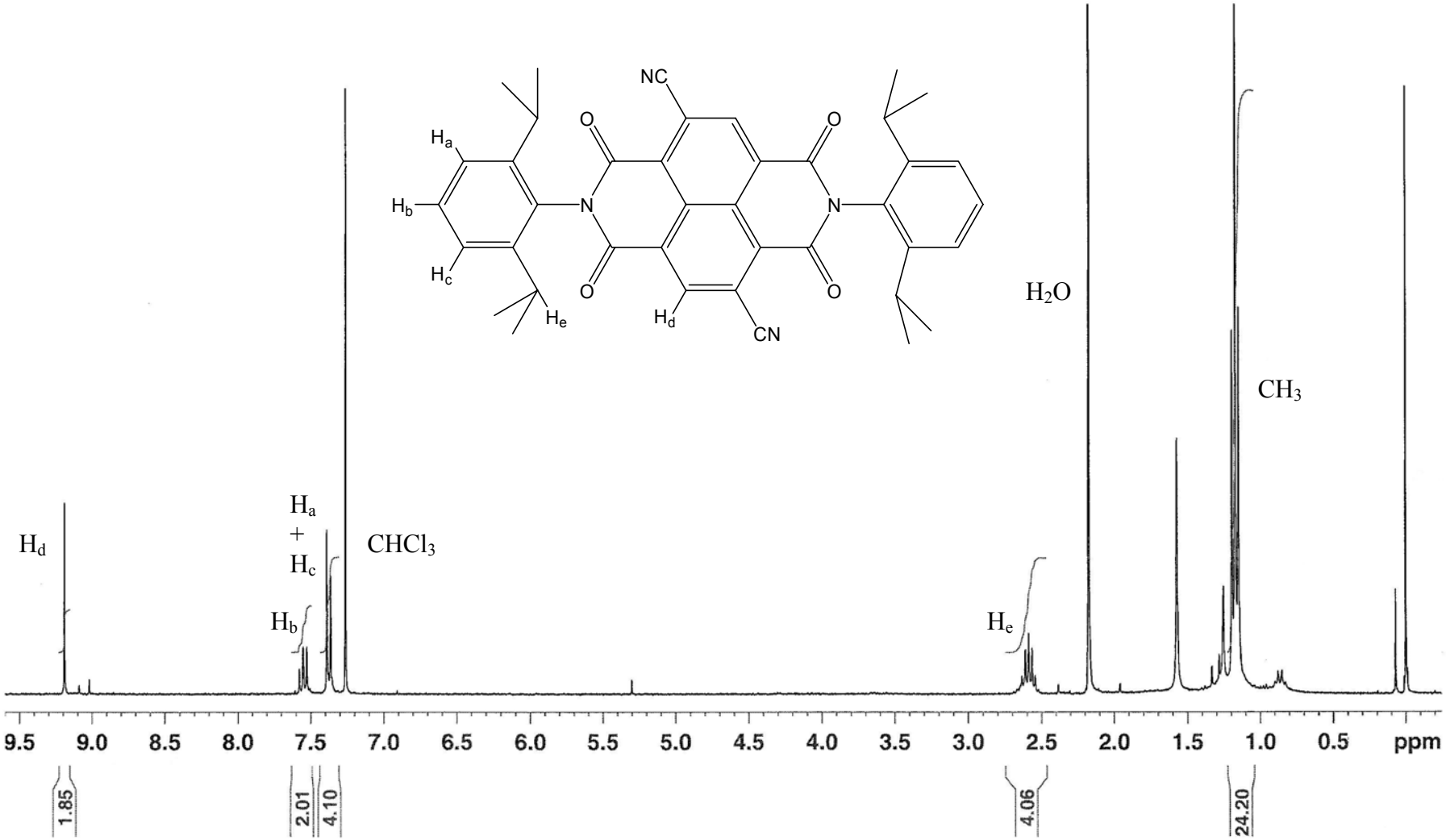

Figure S16: ^{1}H NMR spectrum of **7** in $CDCl_3$ at 298 K.

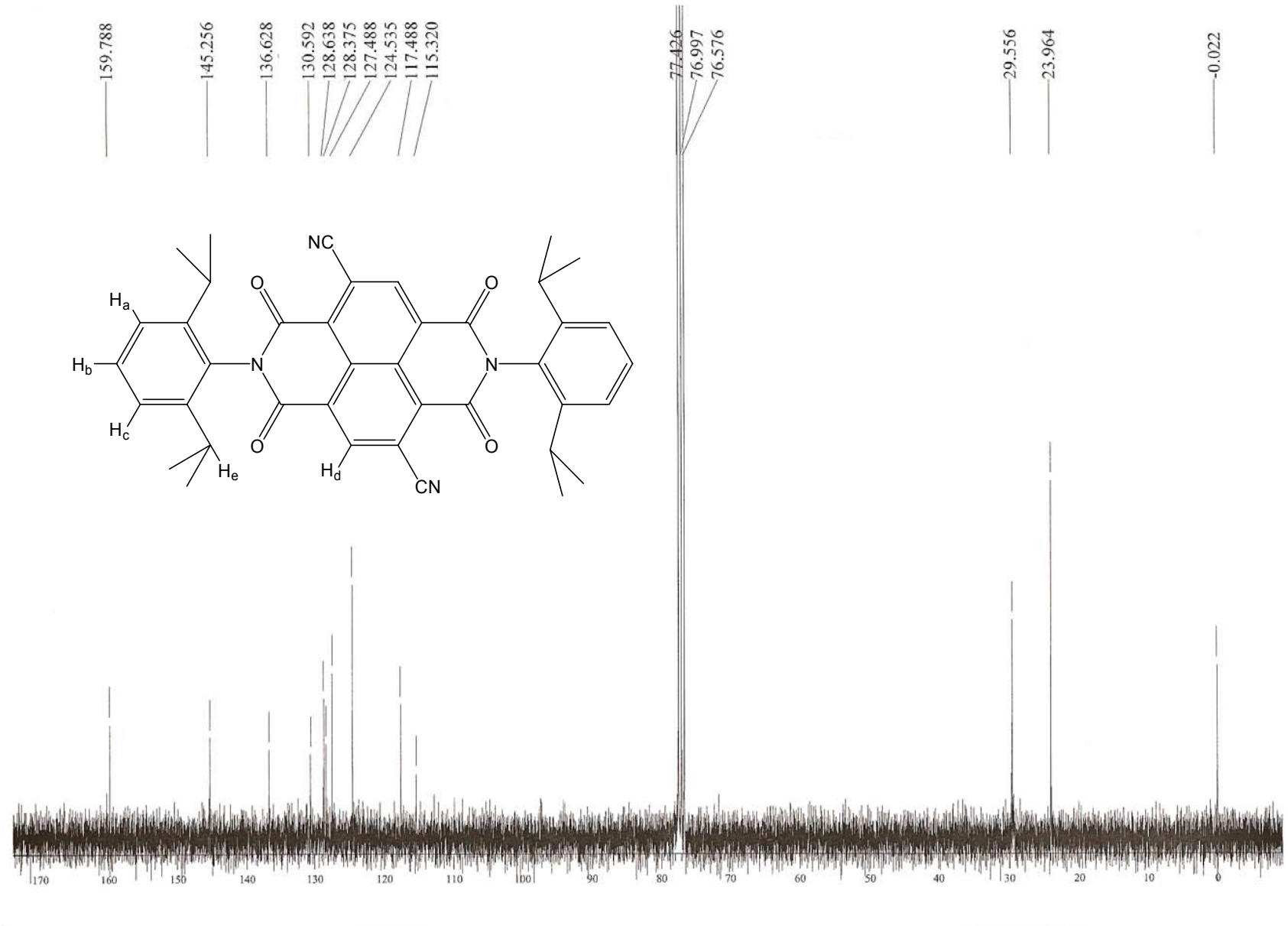

Figure S17: ^{13}C NMR spectrum of **7** in $CDCl_3$ at 298 K.

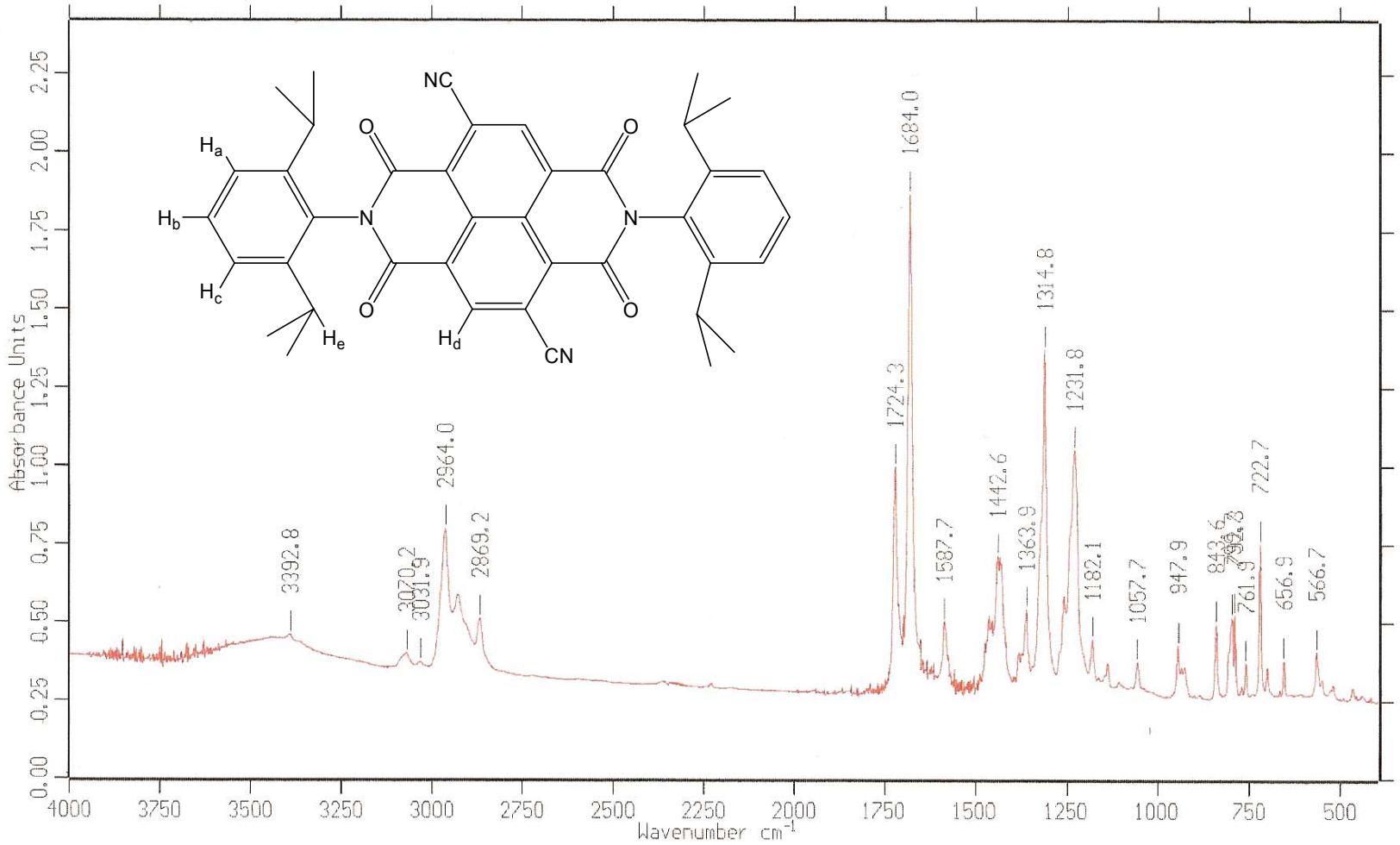

Figure S18: FTIR spectrum of **7** in KBr pastille at 298 K.

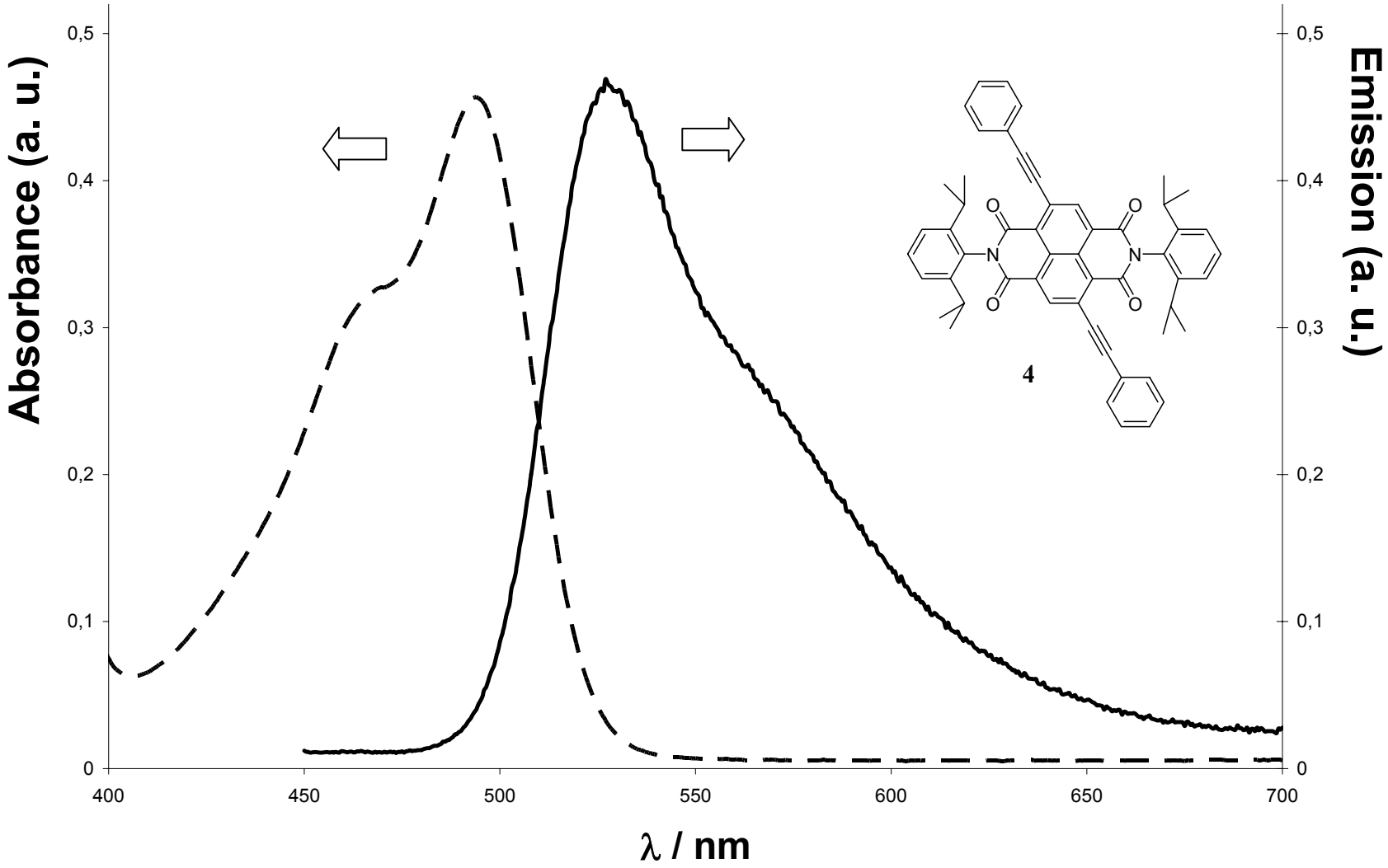

Figure S19: Overlay of the electronic absorption (dashed line) and emission (straight line) spectra of **4** recorded in dichloromethane.

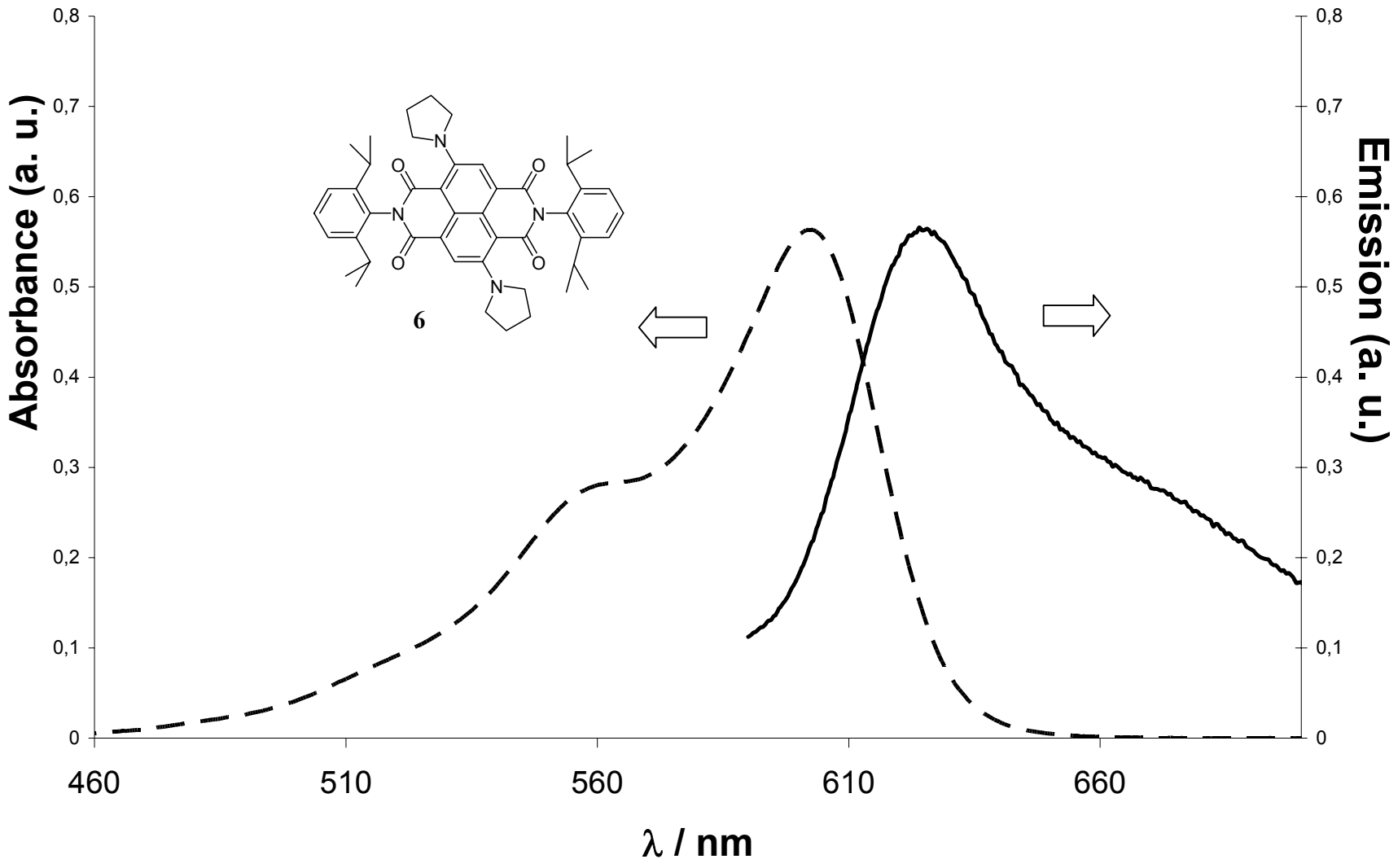

Figure S20: Overlay of the electronic absorption (dashed line) and emission (straight line) spectra of **6** recorded in dichloromethane.

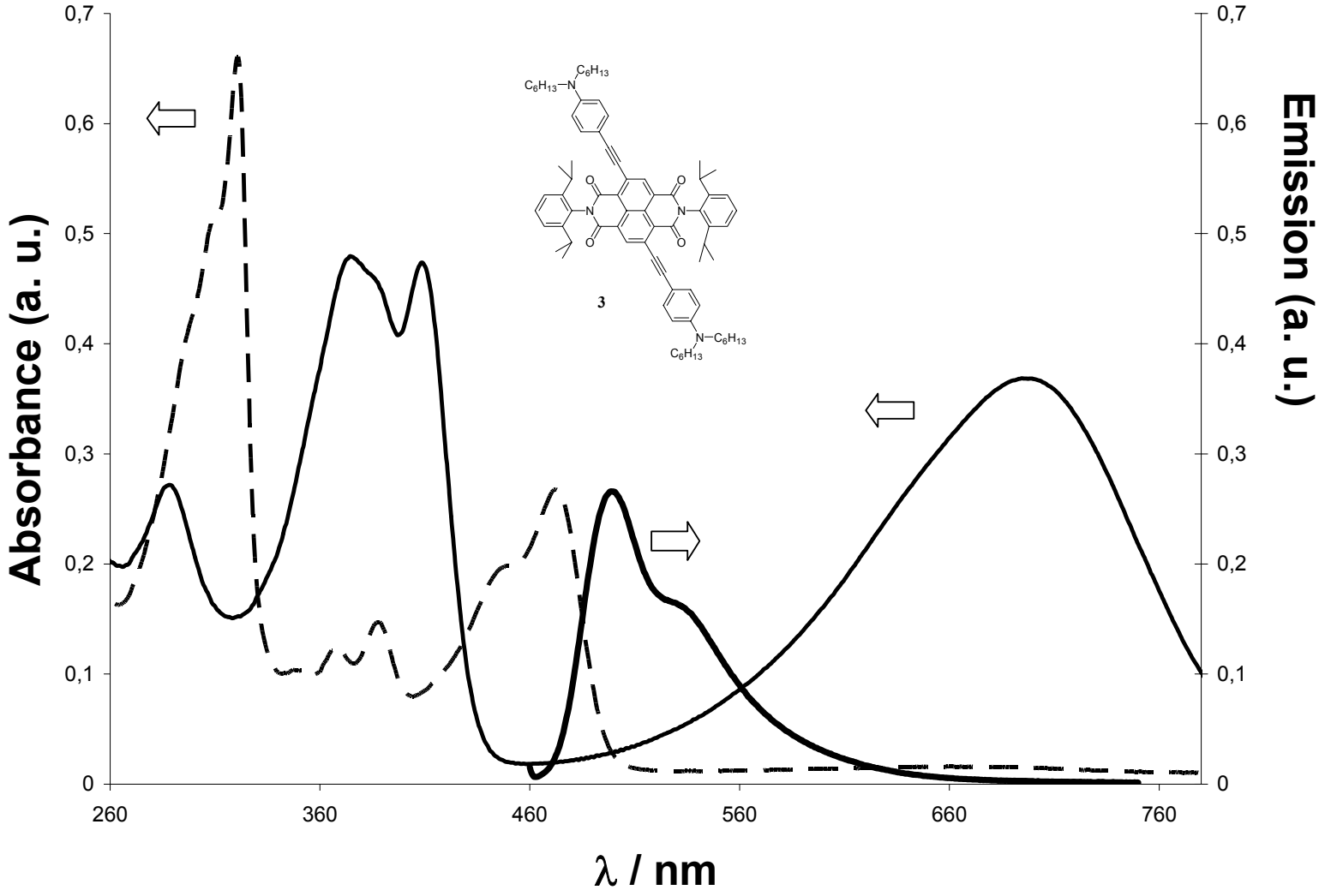

Figure S21: Overlay of the electronic absorption spectrum of **3** in pure dichloromethane (thin straight line), in dichloromethane + HPF_6 (dashed line) and emission spectrum in dichloromethane + HPF_6 (bold straight line).