

Effect of π -Spacer Rigidification on the Optoelectronic Properties and Photovoltaic Performance of Small D- π -A Molecules

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Table of Contents

Figure S1a. ^1H NMR (CDCl_3 , 300 MHz) spectrum of 5a	2
Figure S2a. ^1H NMR (CDCl_3 , 300 MHz) spectrum of 5b	3
Figure S2b. ^{13}C NMR (CDCl_3 , 75 MHz) spectrum of 5b	3
Figure S3a. ^1H NMR (CDCl_3 , 300 MHz) spectrum of 1	4
Figure S3b. ^{13}C NMR (CDCl_3 , 75 MHz) spectrum of 1	4
Figure S4a. ^1H NMR (CDCl_3 , 300 MHz) spectrum of 2	5
Figure S4b. ^{13}C NMR (CDCl_3 , 75 MHz) spectrum of 2	5

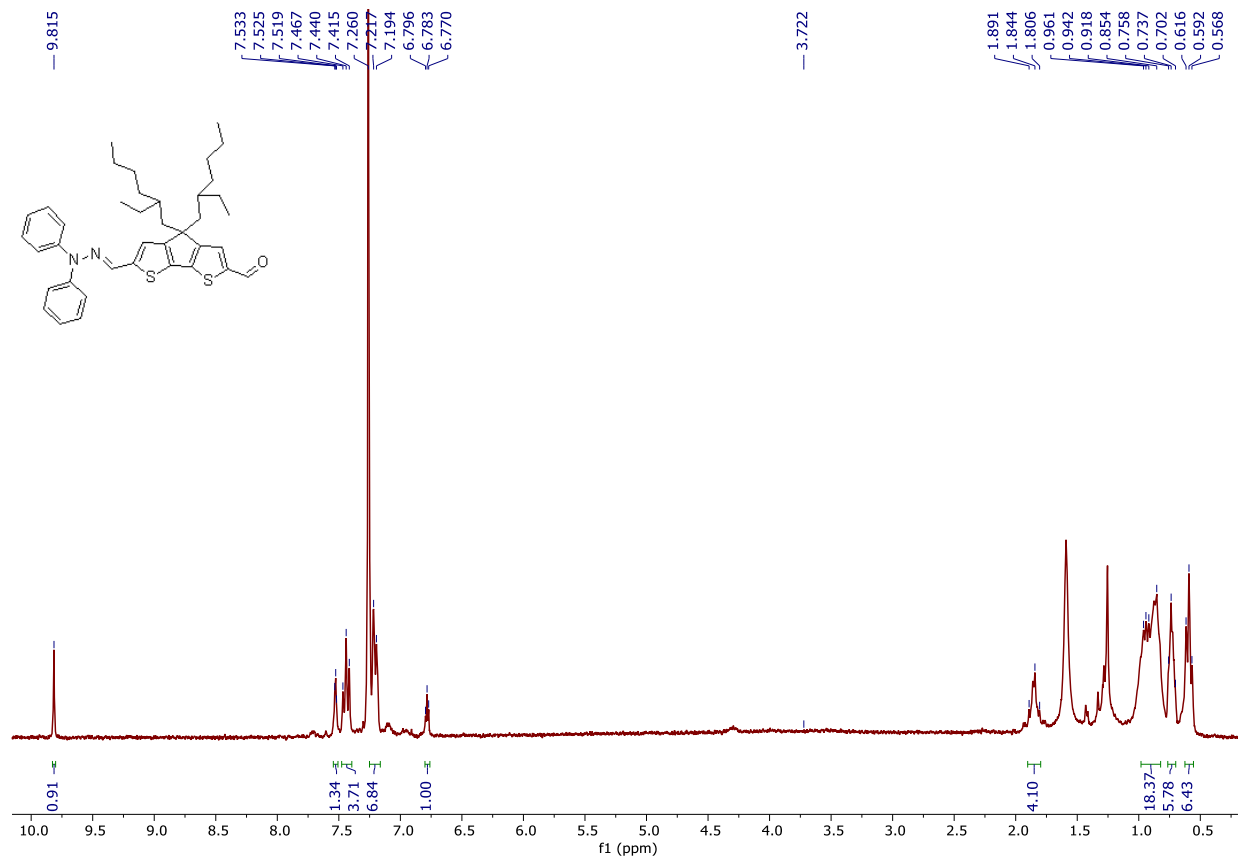


Figure S1a. ¹H NMR (CDCl₃, 300 MHz) spectrum of **5a**

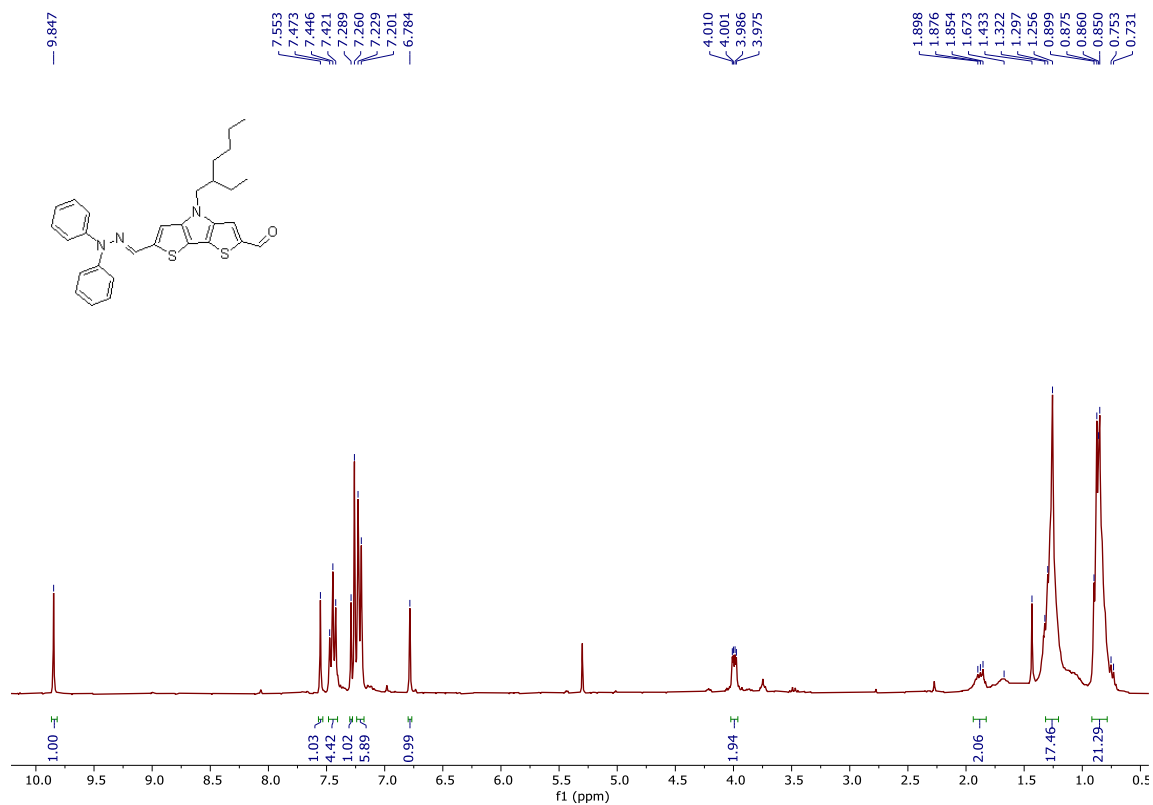


Figure S2a. ¹H NMR (CDCl₃, 300 MHz) spectrum of **5b**

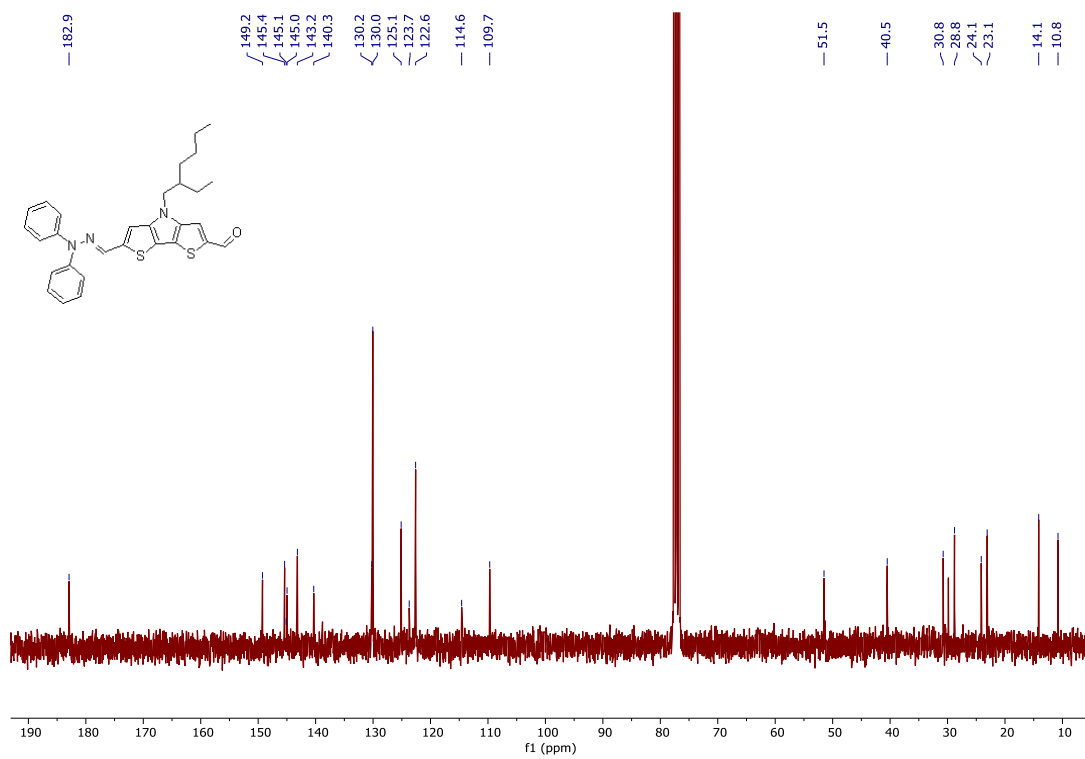
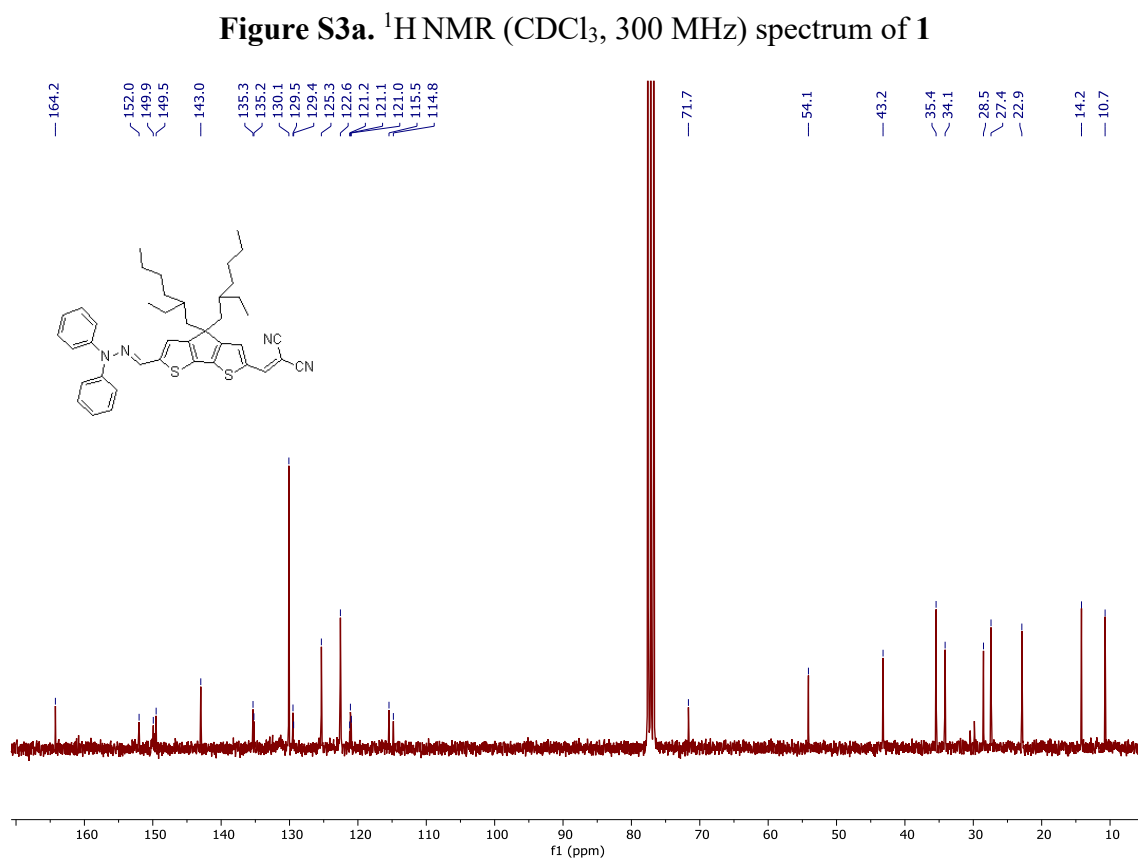
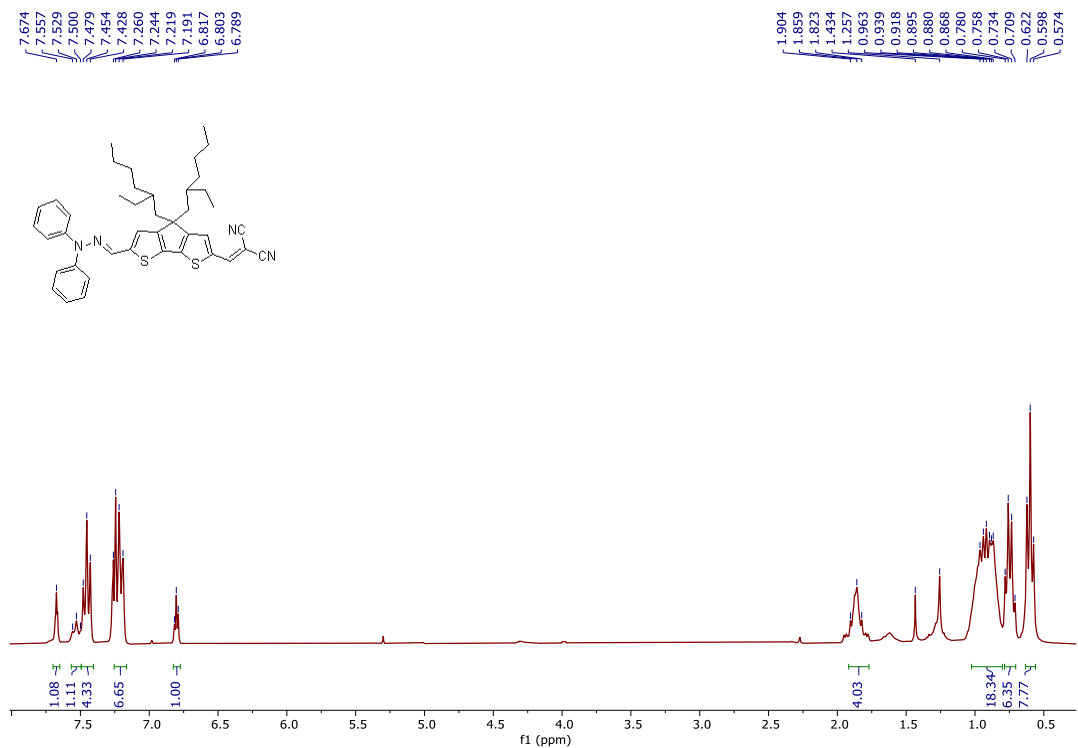


Figure S2b. ¹³C NMR (CDCl₃, 75 MHz) spectrum of **5b**



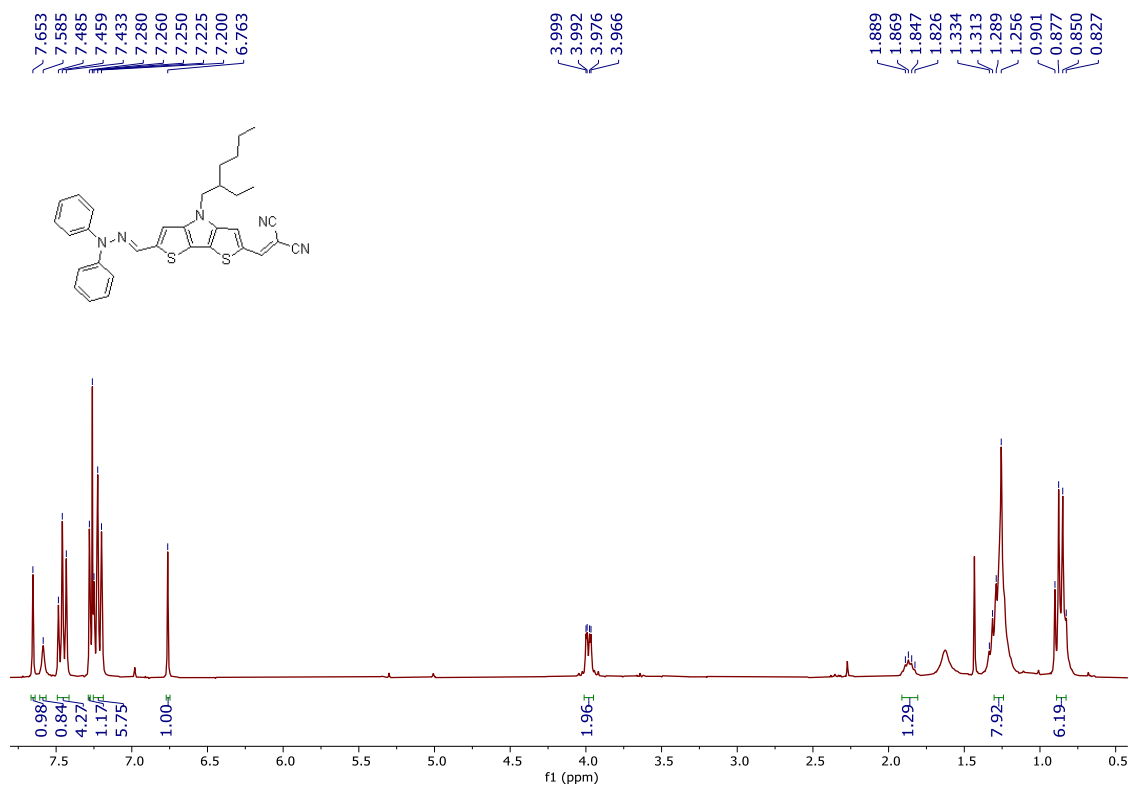


Figure S4a. ¹H NMR (CDCl₃, 300 MHz) spectrum of 2

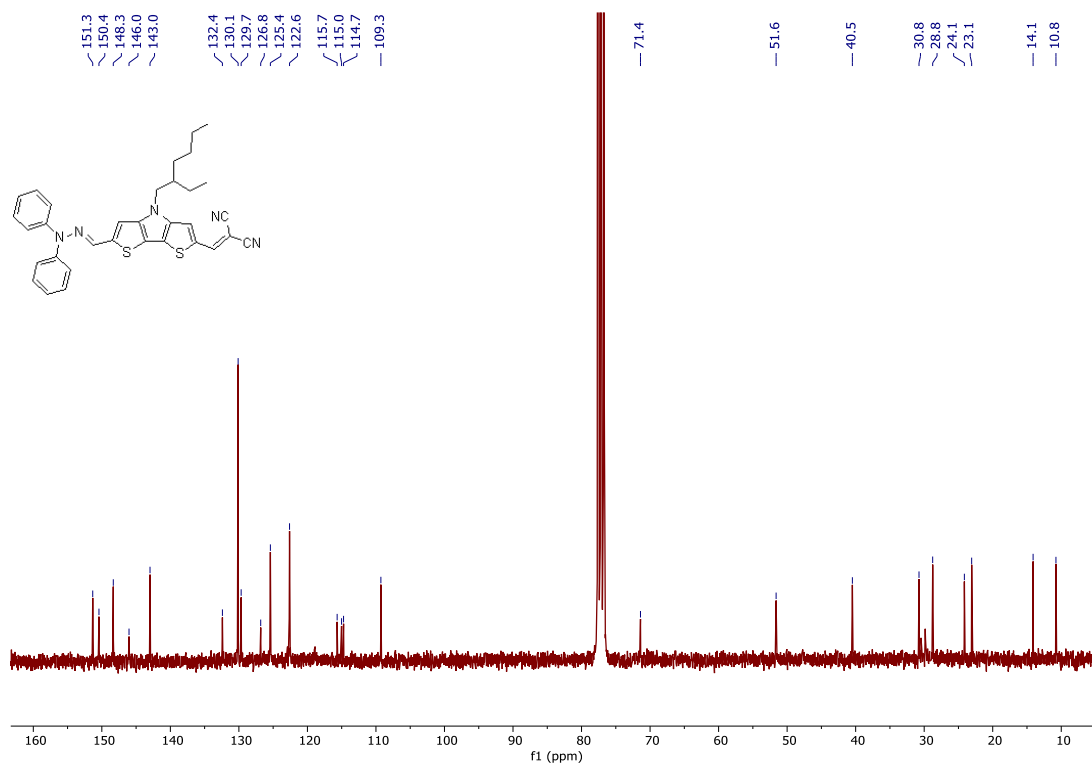


Figure S4b. ¹³C NMR (CDCl₃, 75 MHz) spectrum of 2

