

Supporting information for

Synthesis, Photophysical and Photovoltaic Properties of Conjugated Polymers Containing Fused Donor-Acceptor Dithienopyrrolobenzothiadiazole and Dithienopyrroloquinoxaline Arenes

Yen-Ju Cheng,* Yu-Ju Ho, Chiu-Hsiang Chen, Wei-Shun Kao, Cheng-En Wu, So-Lin Hsu and Chain-Shu Hsu

Department of Applied Chemistry, National Chiao Tung University 1001 Ta Hsueh Road, Hsin-Chu, 30010 Taiwan

Email: yjcheng@mail.nctu.edu.tw

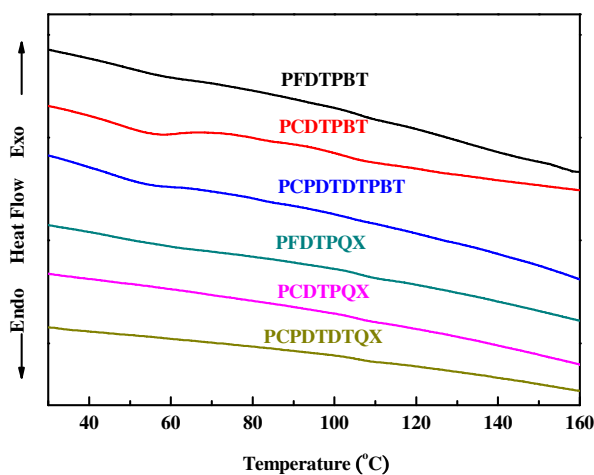
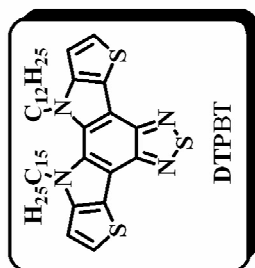
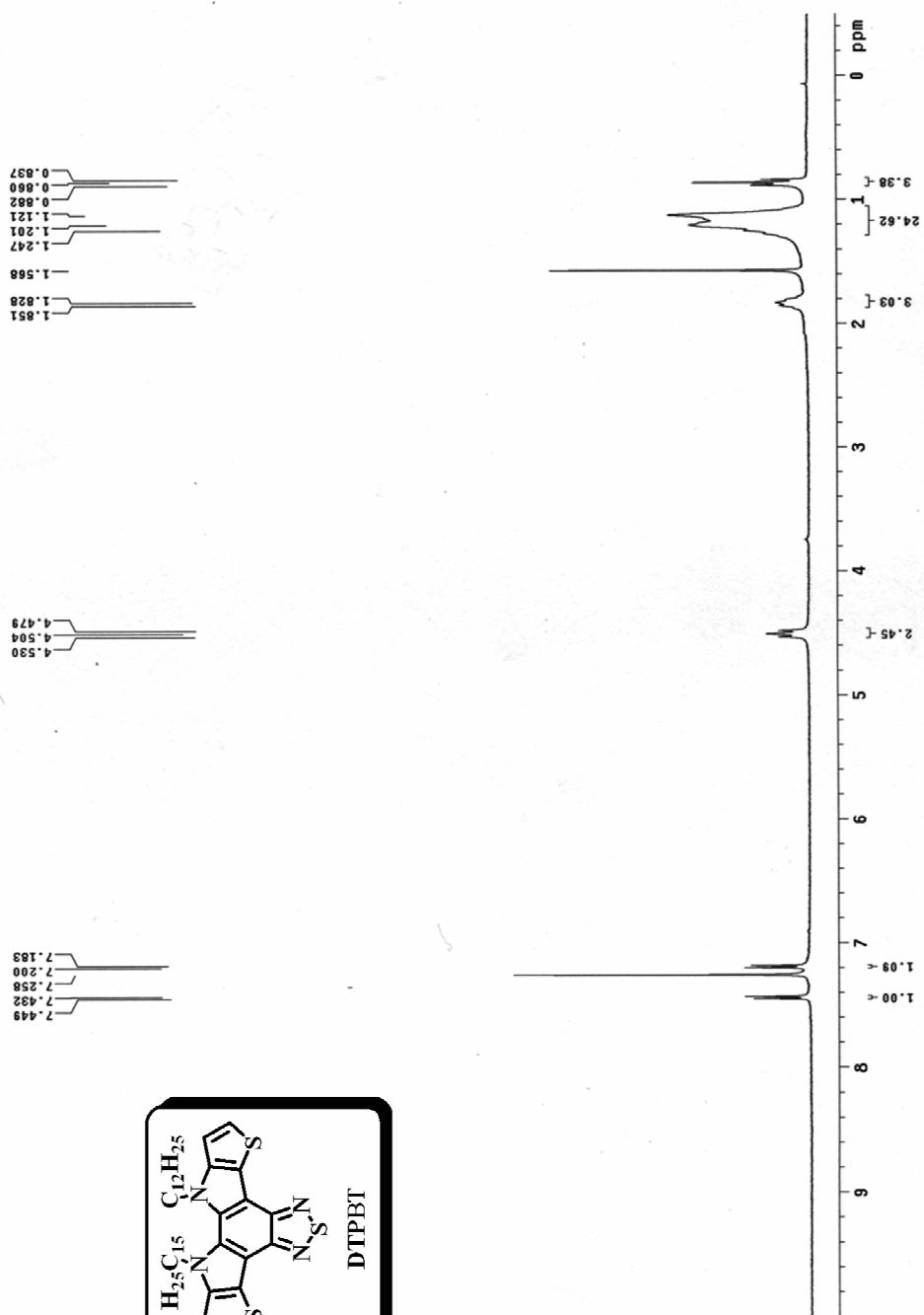
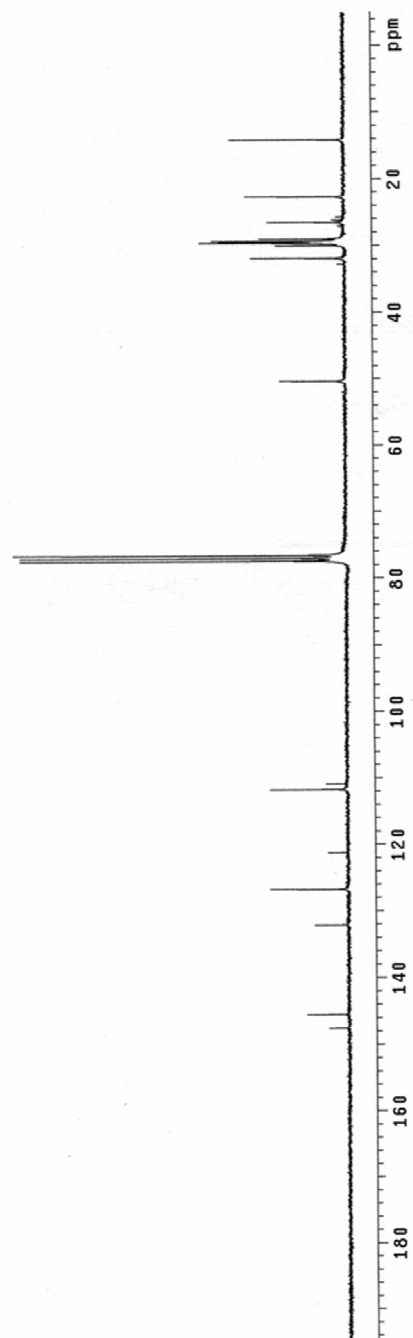


Figure S1. Differential scanning calorimeter (DSC) measurements of the polymers with a ramping rate of 10 °C/min.

^1H and ^{13}C NMR spectra of new compounds and polymers are shown as follows.





14.097
 22.659
 26.505
 29.000
 29.283
 29.306
 29.405
 29.512
 29.535
 29.603
 29.764
 29.977
 31.862
 31.900

50.329

76.573
 77.000
 77.188
 77.420

110.867
 111.729

121.215
 126.762
 132.142

145.489
 147.519

