Supporting Information

3,5-Bis[5-(thiazol-2-yl)thien-2-yl]-4*H*-1,2,6-thiadiazin-4-one

Andreas S. Kalogirou* and Panayiotis A. Koutentis

Contents **Page**

S1. Cyclic Voltammetry

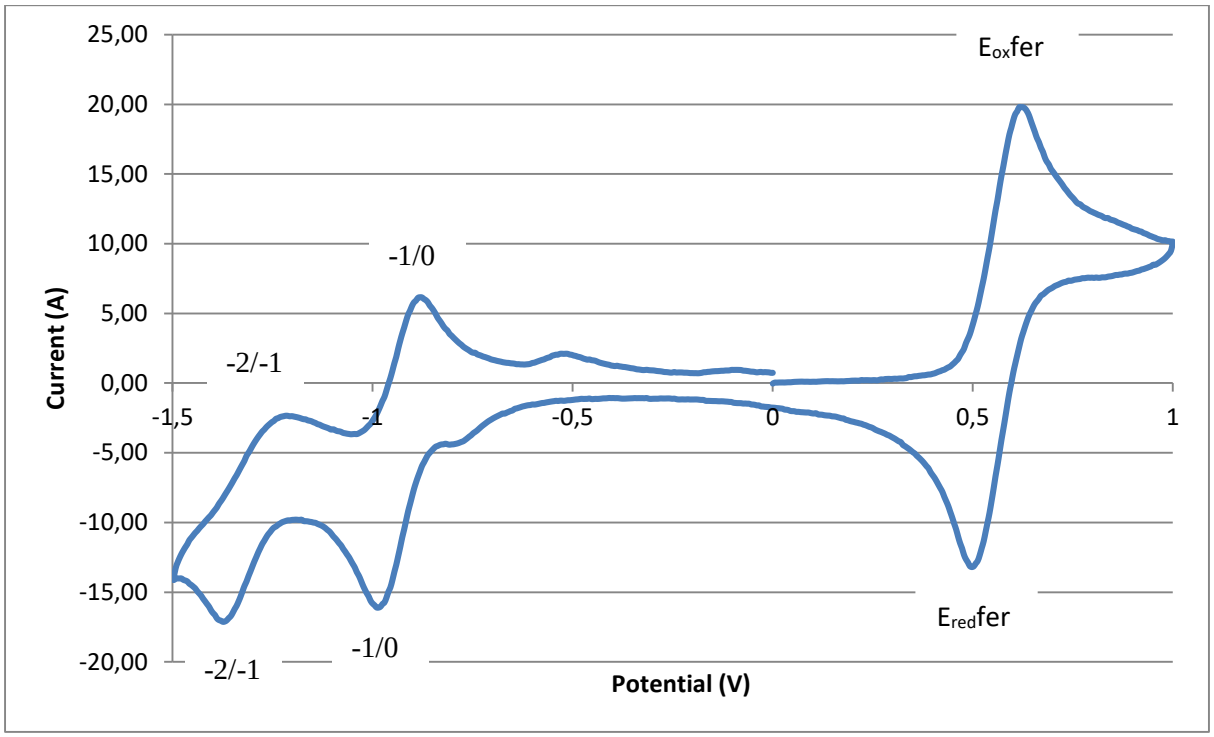


Figure S1. Cyclic voltammogram of pentamer **9**. The voltammogram was run in a 1.0 mM solution of compound **9** in dry (over CaH_2), HPLC grade DCM containing $TBAPF_6$ (0.1 M) as an electrolyte. A three-electrode electrochemical cell was used with a glassy carbon disk as working electrode (ø 3 mm), Pt wire as counter electron and Ag/AgCl (1.0 M KCl) as reference electrode. Scan rate 50 $mV \cdot s^{-1}$. Temperature = 20 °C. Fc/Fc^+ (E_{Fc/Fc^+} = 0.475 V *vs*. SCE) [1] was used as an internal reference.

S2. UV-vis Spectrum of pentamer 9

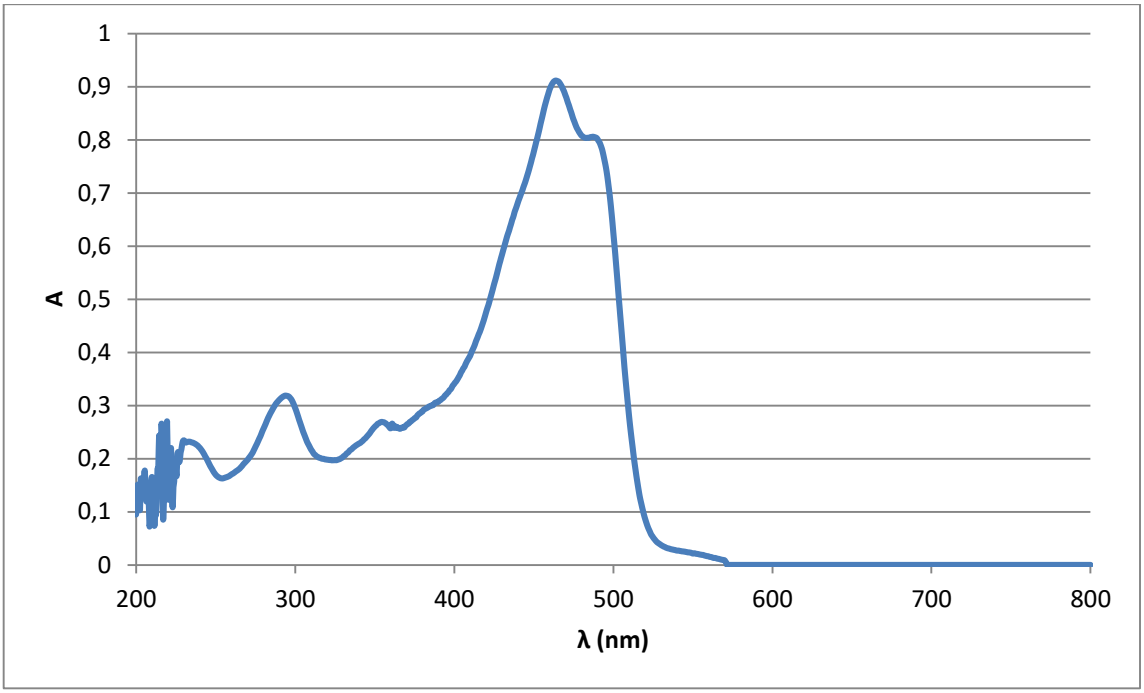


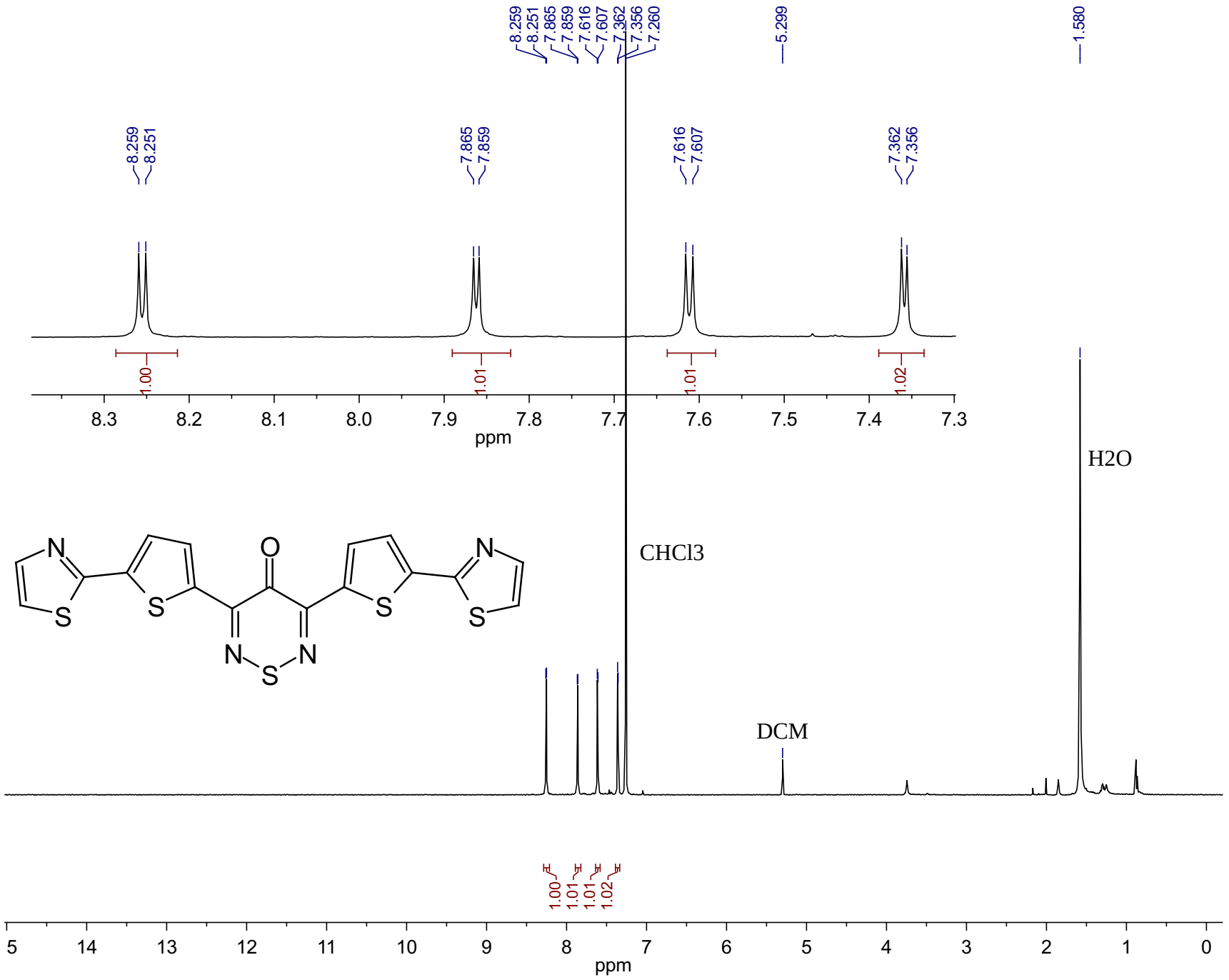
Figure S2. UV-vis absorption spectrum of pentamer **9** in CH_2Cl_2 at 0.02 mM. Peaks: 300 (log ε 4.21), 354 (4.17), 470 (4.69), 489 inf (4.65).

S3. References

1. Aranzaes, J. R.; Daniel, M.-C.; Astruc, D. Metallocenes as references for the determination of redox potentials by cyclic voltammetry - Permethylated iron and cobalt sandwich complexes, inhibition by polyamine dendrimers, and the role of hydroxy-containing ferrocenes. *Can. J. Chem*. **2006**, *84*, 288-299. DOI: 10.1139/v05-262.

S4. ^{1}H and ^{13}C NMR Spectra of pentamer 9

^{1}H NMR of 3,5-bis[5-(thiazol-2-yl)thien-2-yl]-4*H*-1,2,6-thiadiazin-4-one (**9**)



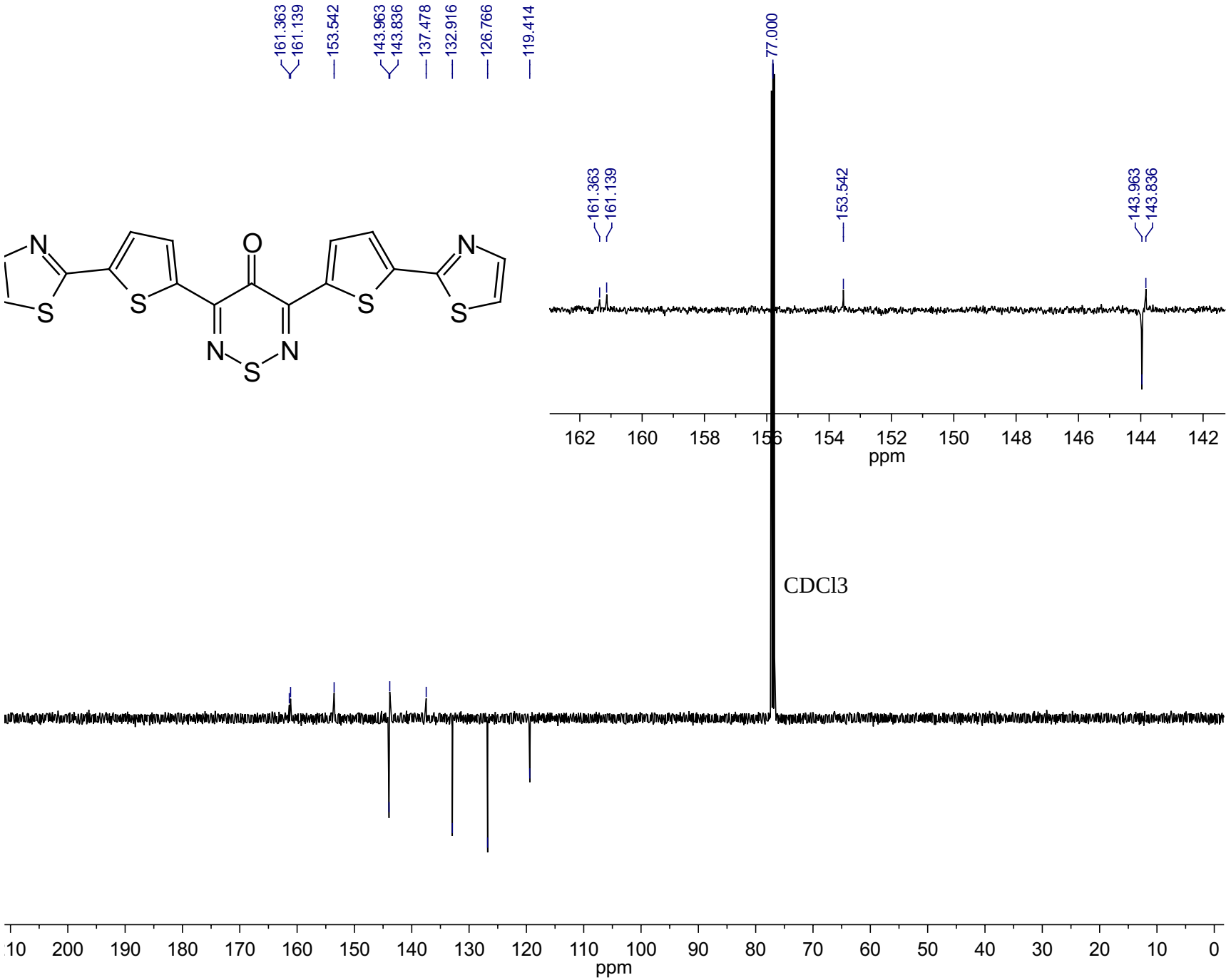
Current Data Parameters
NAME Andreas Kalogirou
EXPNO 762
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140717
Time 3.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1719425 sec
RG 181
DW 48.400 usec
DE 6.50 usec
TE 297.2 K
D1 1.00000000 sec
TD0 1

CHANNEL f1
SFO1 500.0361158 MHz
NUC1 1H
P1 11.75 usec
PLW1 15.41699982 W

F2 - Processing parameters
SI 65536
SF 500.0330397 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

^{13}C NMR of 3,5-bis[5-(thiazol-2-yl)thien-2-yl]-4*H*-1,2,6-thiadiazin-4-one (**9**)



Current Data Parameters
NAME Andreas Kalogirou
EXPNO 763
PROCNO 1
F2 - Acquisition Parameters
Date_ 20140717
Time 8.42
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 6000
DS 4
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010048 sec
RG 2050
DW 16.800 usec
DE 6.50 usec
TE 298.5 K
CNST2 145.0000000
CNST11 1.0000000
D1 2.00000000 sec
D20 0.00689655 sec
TD0 1
CHANNEL f1
SFO1 125.7459782 MHz
NUC1 13C
P1 8.70 usec
P2 17.40 usec
PLW1 138.00000000 W
CHANNEL f2
SFO2 500.0350280 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 80.00 usec
PLW2 15.41699982 W
PLW12 0.33258000 W
F2 - Processing parameters
SI 32768
SF 125.7334066 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40