Supplementary Material:

4,7-Bis(5-(9-hexyl-9*H*-carbazol-3-yl)thiophen-2-yl)-[1,2,5]t hiadiazolo[3,4-*d*]pyridazine

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Figure S1. ¹H NMR spectrum of

4,7-bis(5-bromothiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine **3**.



Figure S2.¹³C NMR spectrum of 4,7-bis(5-bromothiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine **3**.



Figure S3. IR spectrum of 4,7-bis(1,2,3,4,4a,9a-hexahydro-9*H*-carbazol-9-yl)-[1,2,5]oxadiazolo[3,4-*d*]pyridazine **3**.



Figure S4. HRMS spectrum of 4,7-bis(5-bromothiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine **3**.



Figure S5. ¹ H NMR spectrum of	
4,7-bis(5-(9-hexyl-9H-carbazol-3-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyric	lazine 1







		Display	Report			
Analysis Info Analysis Name Method Sample Name	D:\Data\Kolotyrkina\2020\Chmovsh\0714006.d tune_50-1600.m /SUSU Tim-459		Acquisition Date Operator Instrument / Ser#	14.07.2020 8:46:04 BDAL@DE micrOTOF 10248		
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Figure S9. UV-Vis spectra recorded for solutions in CHCl₃ ($\Delta f=0.149$), THF ($\Delta f=0.210$) and DMSO ($\Delta f=0.274$) of

4,7-bis(5-(9-hexyl-9H-carbazol-3-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine 1.



Figure S10. PL spectra obtained for solutions in CHCl₃ ($\Delta f=0.149$), THF ($\Delta f=0.210$) and DMSO ($\Delta f=0.274$) under CW optical excitation at 500 nm of

4,7-bis(5-(9-hexyl-9H-carbazol-3-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine 1.

