

Supplementary Material:
5-(9-(*p*-Tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde

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Figure S1. ^1H NMR spectrum of 5-(9-(*p*-tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde **2**.

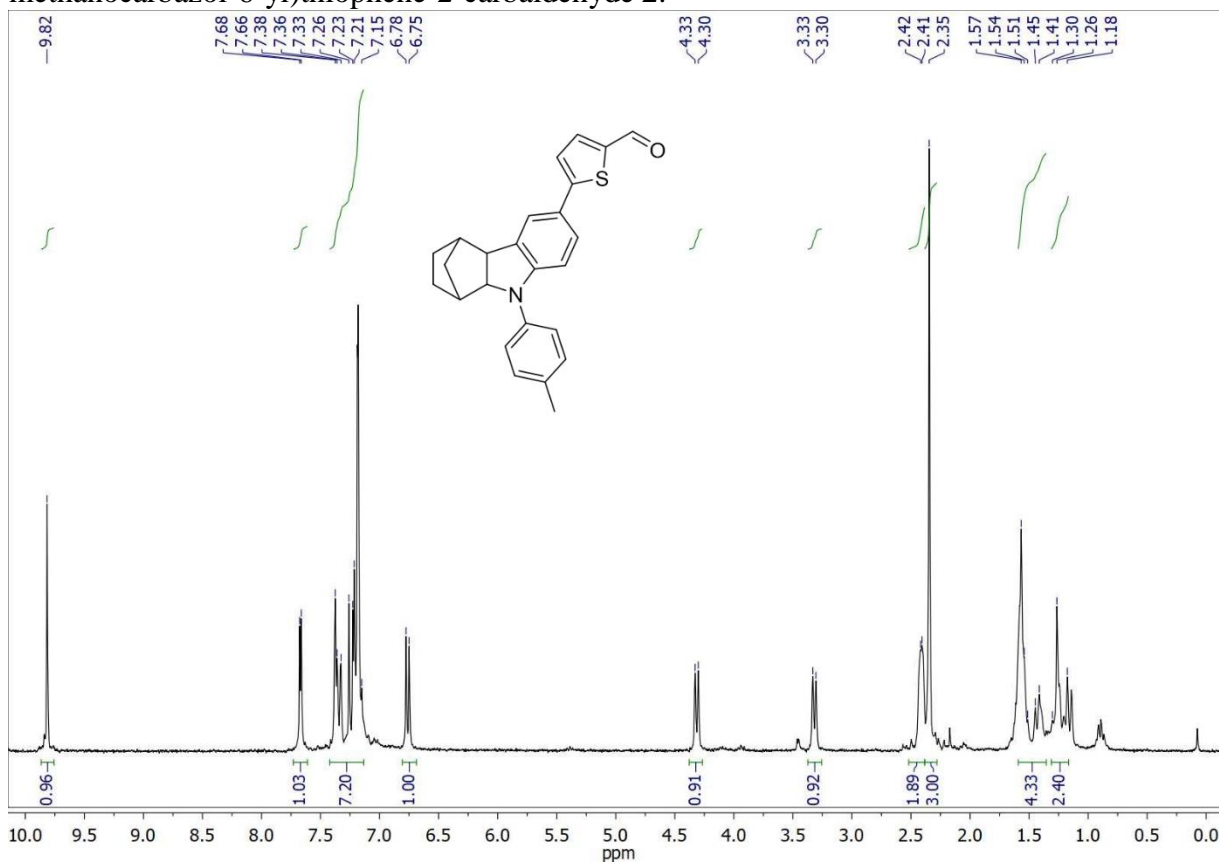


Figure S2. ^{13}C NMR spectrum of 5-(9-(*p*-tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde **2**.

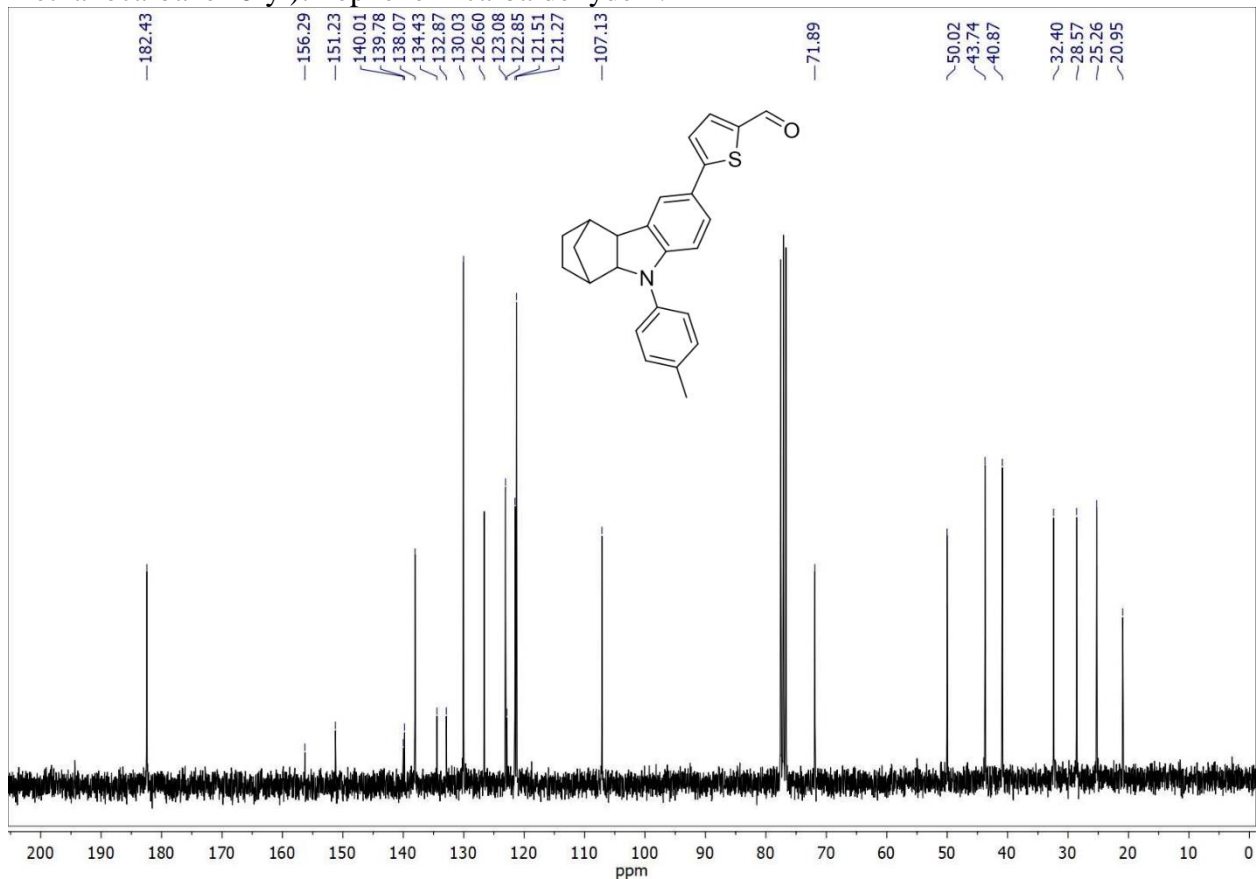


Figure S3. IR spectrum of 5-(9-(*p*-tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde **2**.

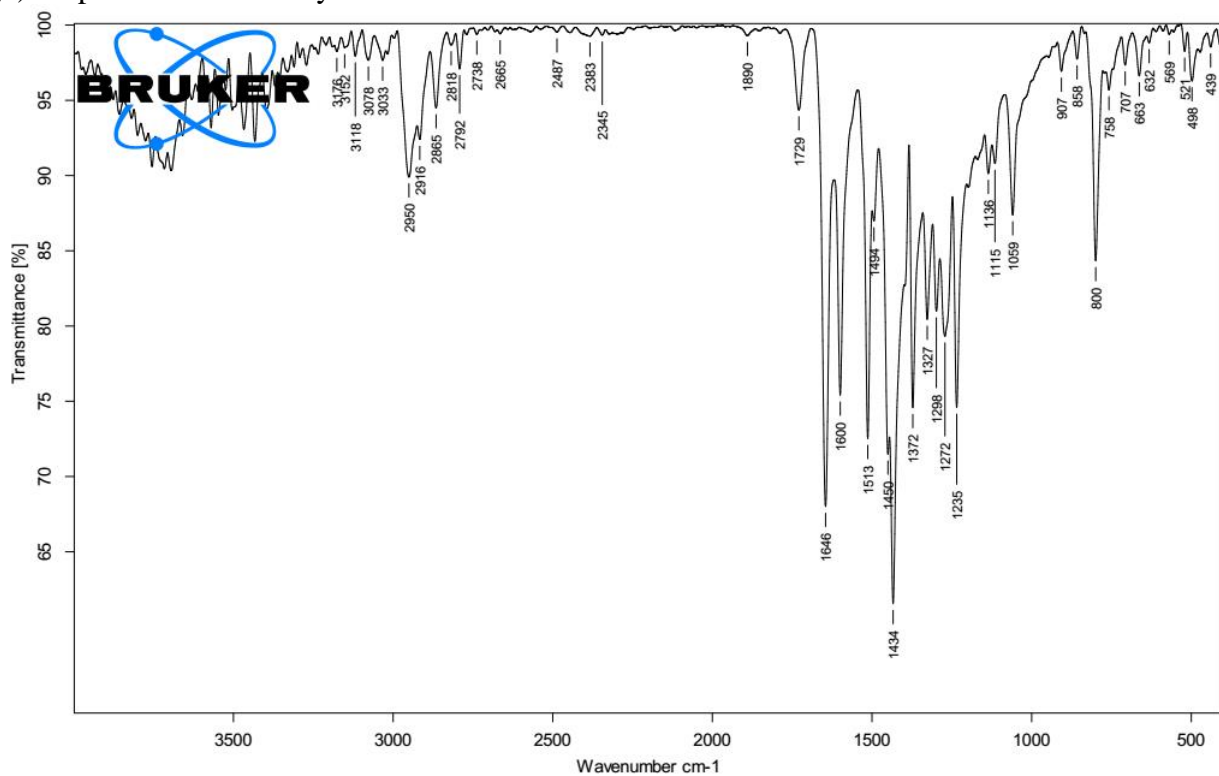


Figure S4. HRMS spectrum of 5-(9-(*p*-tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde **2**.

Comment C25H23NOS mH 386.1573 calibrant added, CH3CN

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Not active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	2500 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

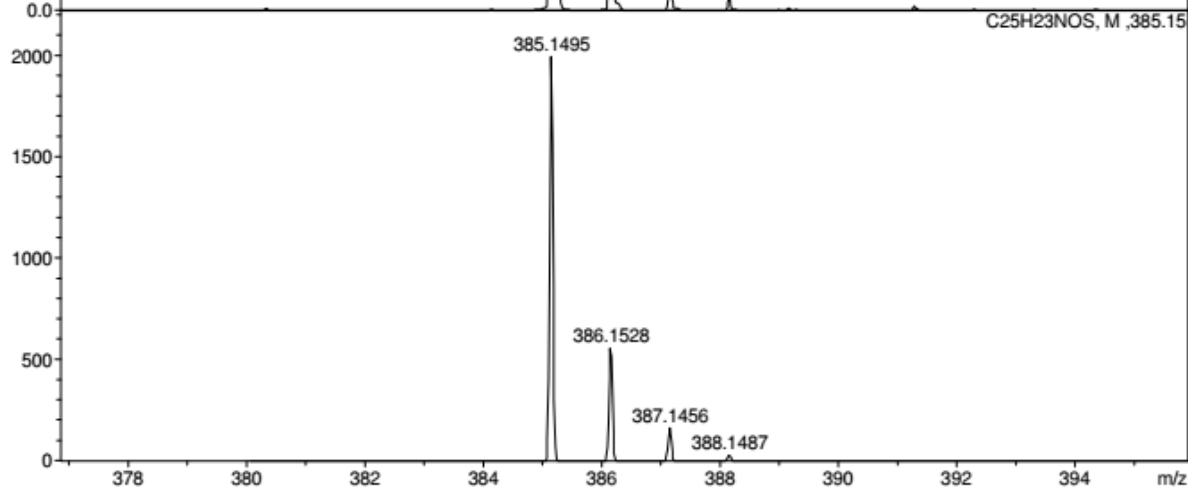
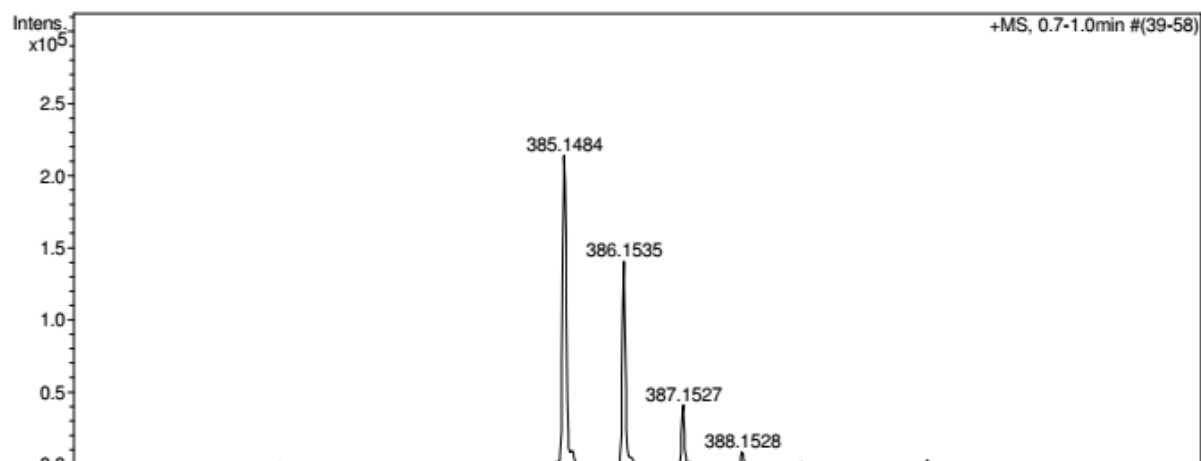
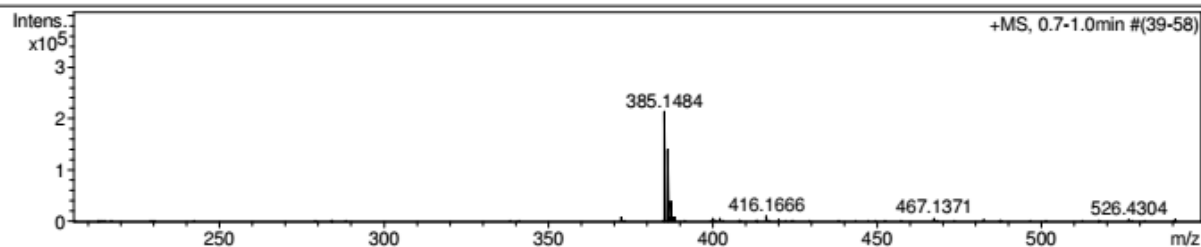


Figure S5. UV-Vis spectrum of 5-(9-(*p*-tolyl)-2,3,4,4a,9,9a-hexahydro-1*H*-1,4-methanocarbazol-6-yl)thiophene-2-carbaldehyde **2** in CH₂Cl₂ solution (2×10^{-5} M).

