

An Anthracene-Based Bis-Stilbene Derivative as Luminescent Materials for Organic Light Emitting Diodes

Hui Wang^{1,2,3,4}, Houlin Wu³, Guangling Bian^{2,3,4,*} and Ling Song^{3,4,*}

¹ College of Chemistry and Materials Science, Fujian Normal University, Fuzhou 350007, China; wanghui@fjirsm.ac.cn

² Fujian Science & Technology Innovation Laboratory for Optoelectronic Information of China, Fuzhou 350108, China

³ The Key Laboratory of Coal to Ethylene Glycol and Its Related Technology, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou 350002, China; wuhoulin@fjirsm.ac.cn

⁴ Fujian College, University of Chinese Academy of Sciences, Fuzhou 350002, China

* Correspondence: glb@fjirsm.ac.cn (G.B.); songling@fjirsm.ac.cn (L.S.)

Figure S1. The ^1H NMR spectra of 10-bromoanthracene-9-carbaldehyde

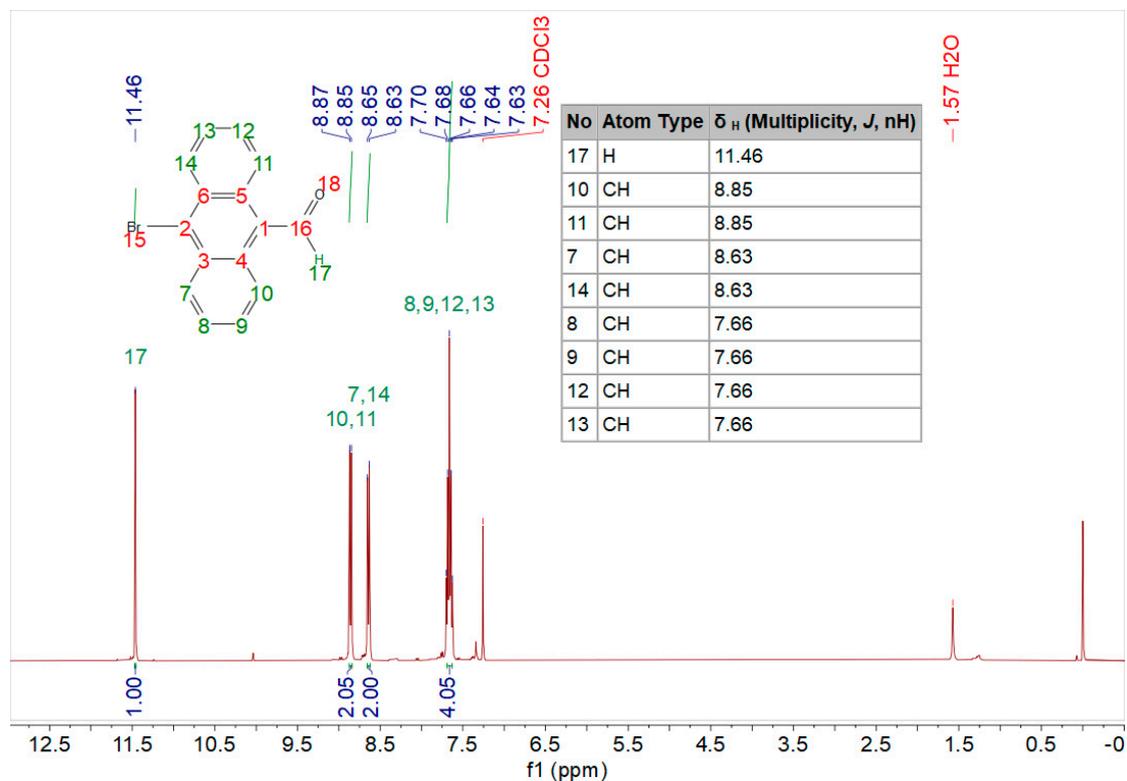


Figure S2. The ^{13}C NMR spectra of 10-bromoanthracene-9-carbaldehyde

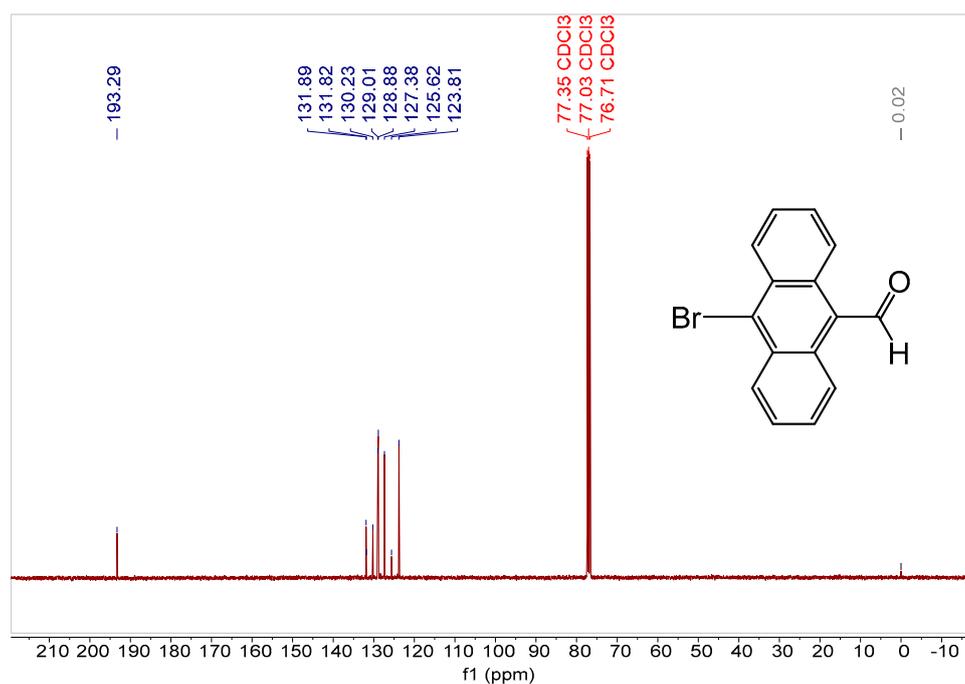


Figure S3. The ESI-TOF-MS spectra of 10-bromoanthracene-9-carbaldehyde (Positive Ion Mode)

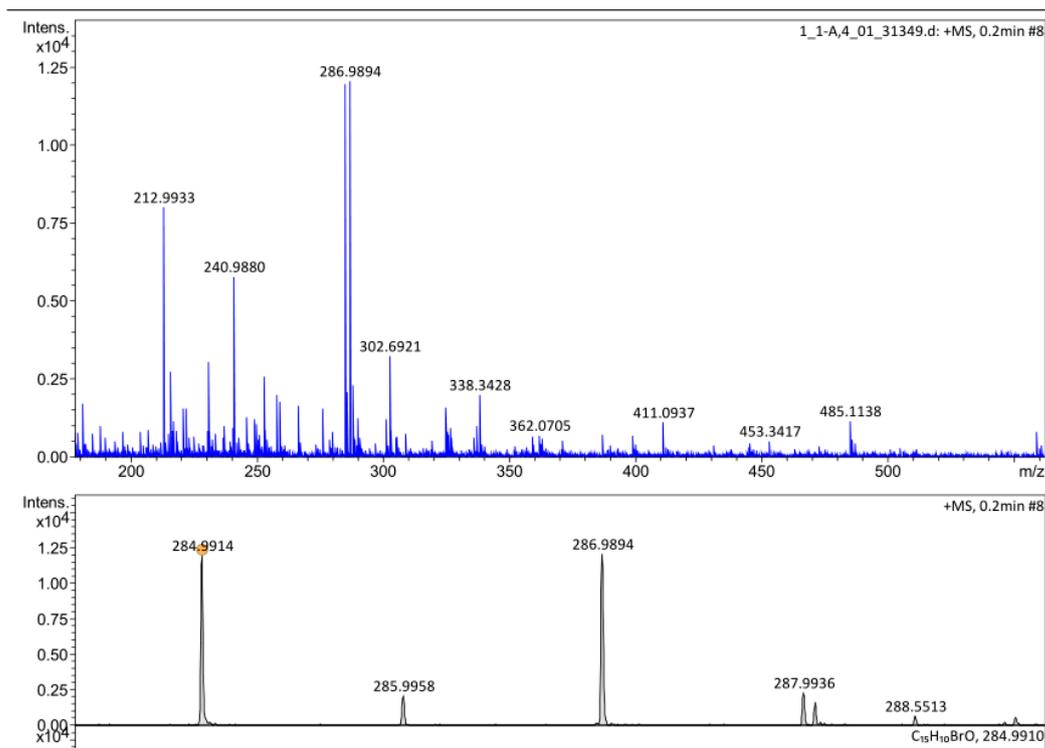


Figure S4. The ^1H NMR spectra of 10-(9H-carbazol-9-yl)anthracene-9-carbaldehyde

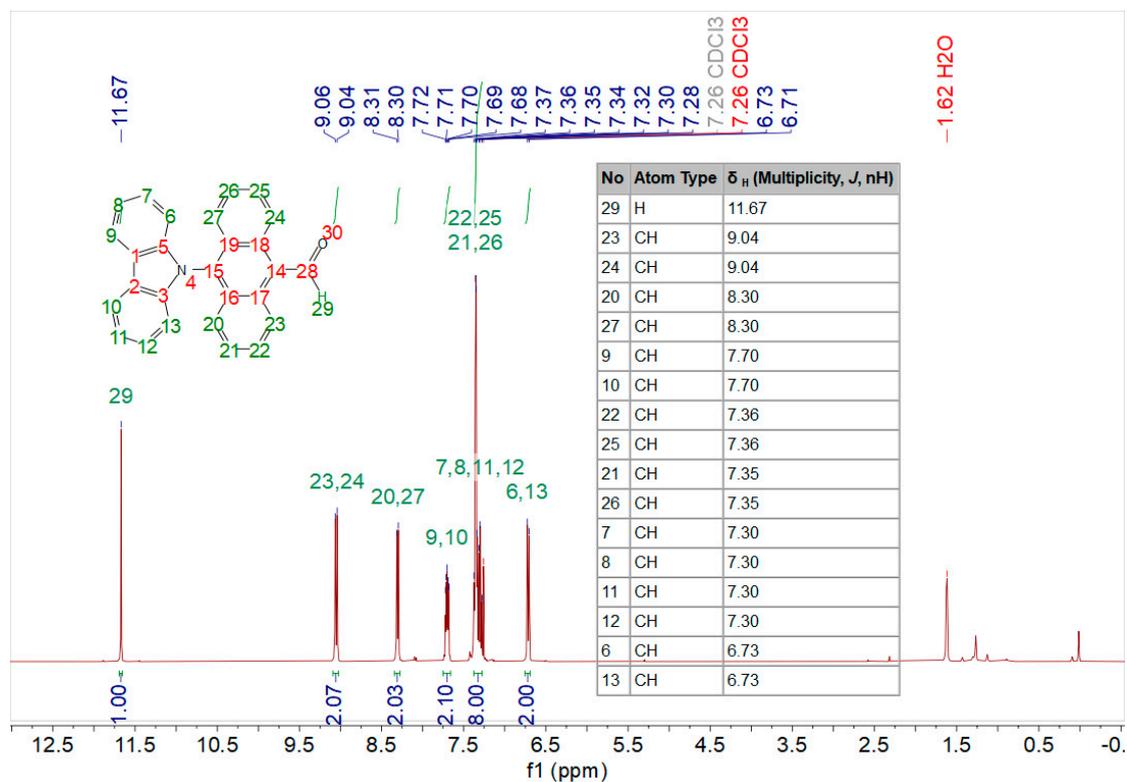


Figure S5. The ^{13}C NMR spectra of 10-(9H-carbazol-9-yl)anthracene-9-carbaldehyde

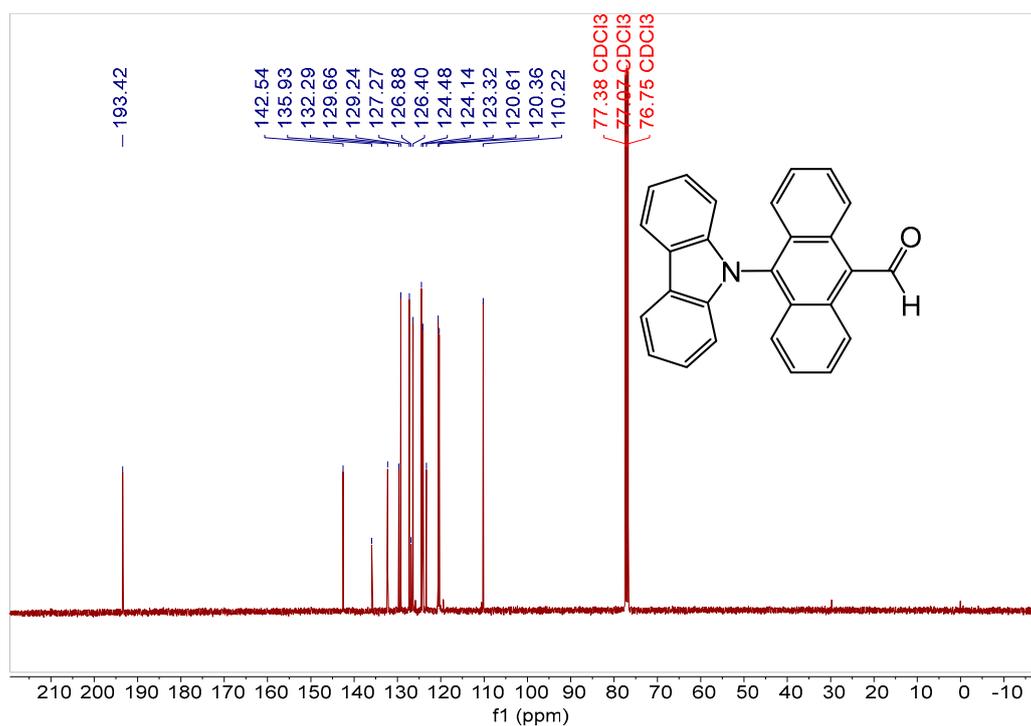


Figure S6. The ESI-TOF-MS spectra of 10-(9H-carbazol-9-yl)anthracene-9-carbaldehyde (Positive Ion Mode)

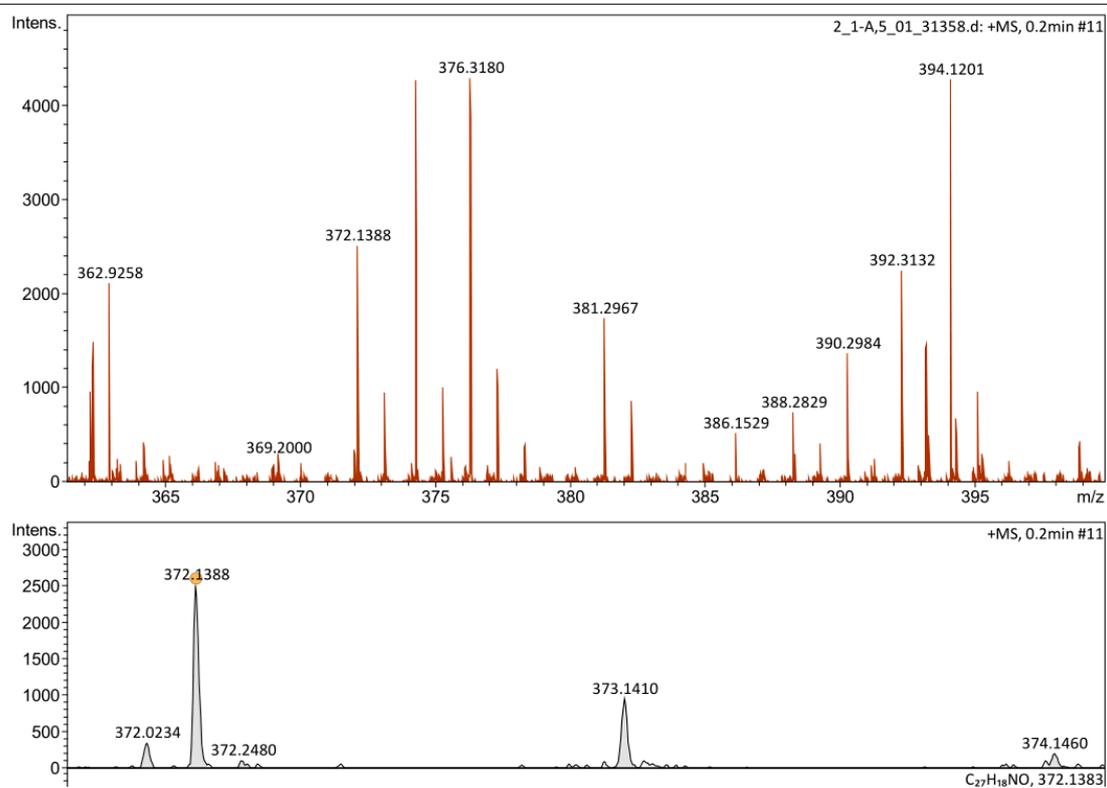


Figure S7. The ^1H NMR spectra of BABCz

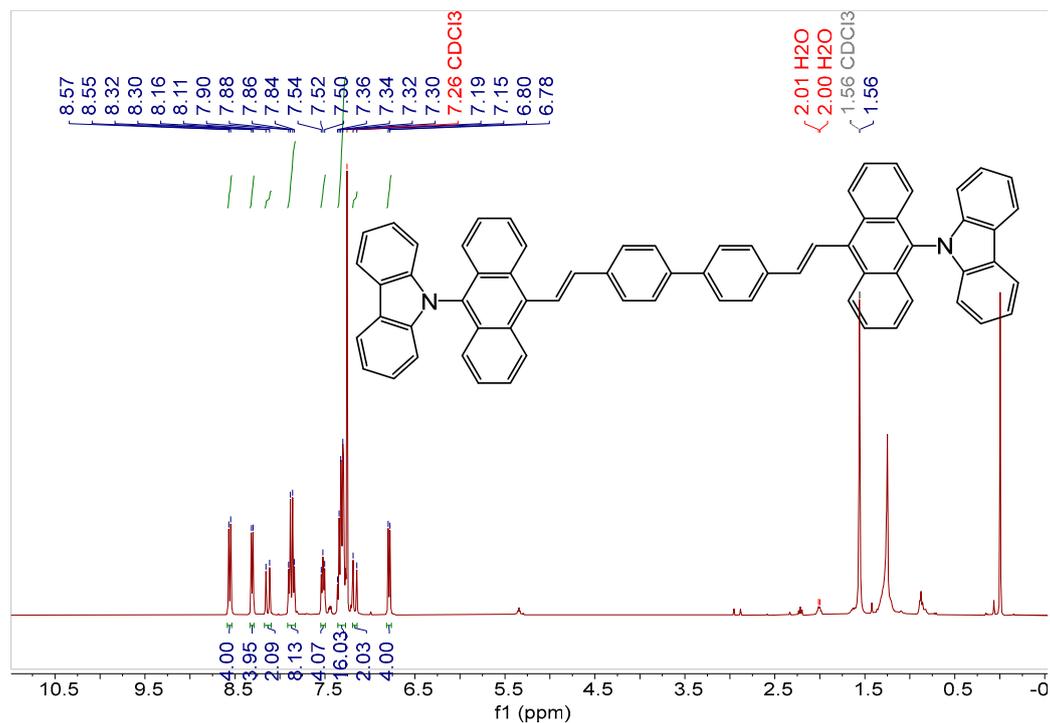
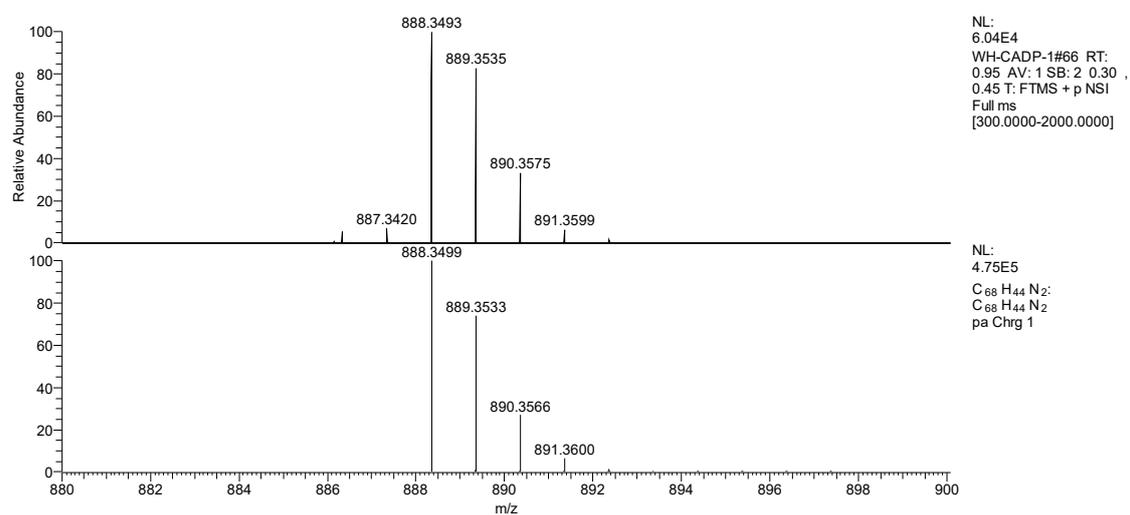


Figure S8. The MALDI-TOF-MS spectra of BABCz (Positive Ion Mode)



Elemental composition search on mass 888.3493

m/z = 883.3493-893.3493

m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition
888.3493	888.3499	-0.70	48.0	C ₆₈ H ₄₄ N ₂