

Design and Synthesis of a Terrylene Diimide-Based Stable Cyan Dye for Printable Electro-Fluidic Display

Yong Deng,^{†a,c} Yuanyuan Guo,^{†b} Dechao Ye,^{a,c} Wangqiao Chen,^{*b} and Guofu Zhou^{*b}

^aAcademy of Shenzhen Guohua Optoelectronics, Shenzhen 518110, P. R. China

^bGuangdong Provincial Key Laboratory of Optical Information Materials and Technology & Institute of Electronic Paper Displays, South China Academy of Advanced Optoelectronics, South China Normal University, Guangzhou 510006, P. R. China.

^cShenzhen Guohua Optoelectronics Tech. Co. Ltd., Shenzhen 518110, P.R. China

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1. ^1H NMR and ^{13}C NMR spectra

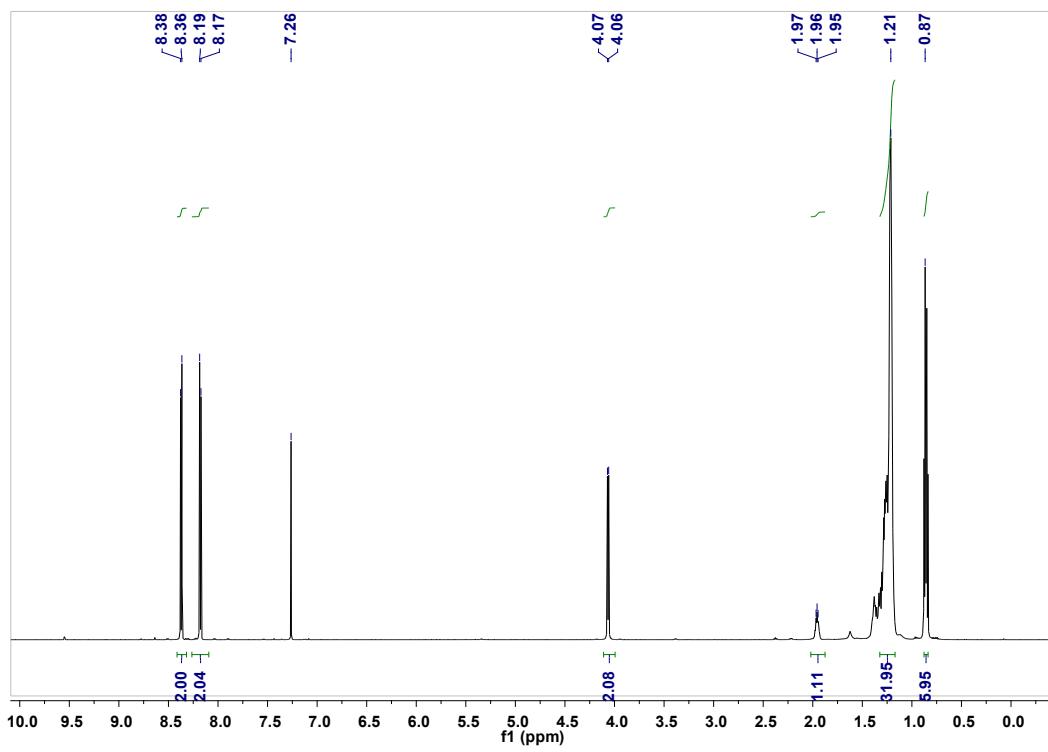


Fig. S1: ^1H NMR of compound 2

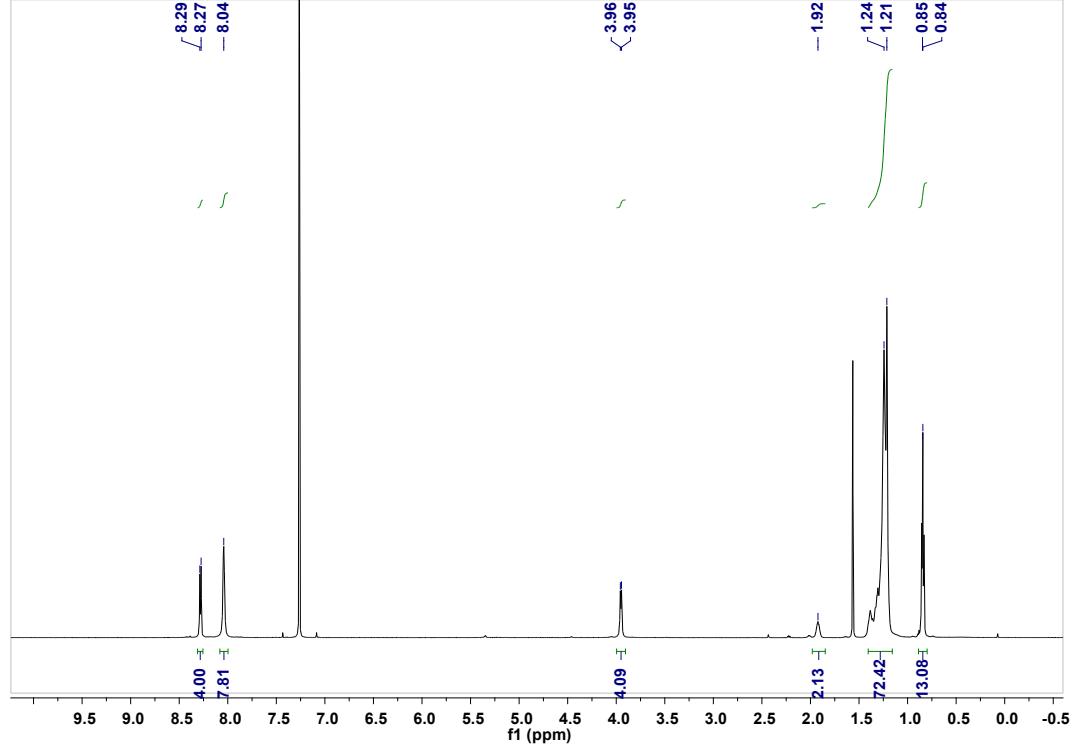


Fig. S2: ^1H NMR of compound TDI-C8C12

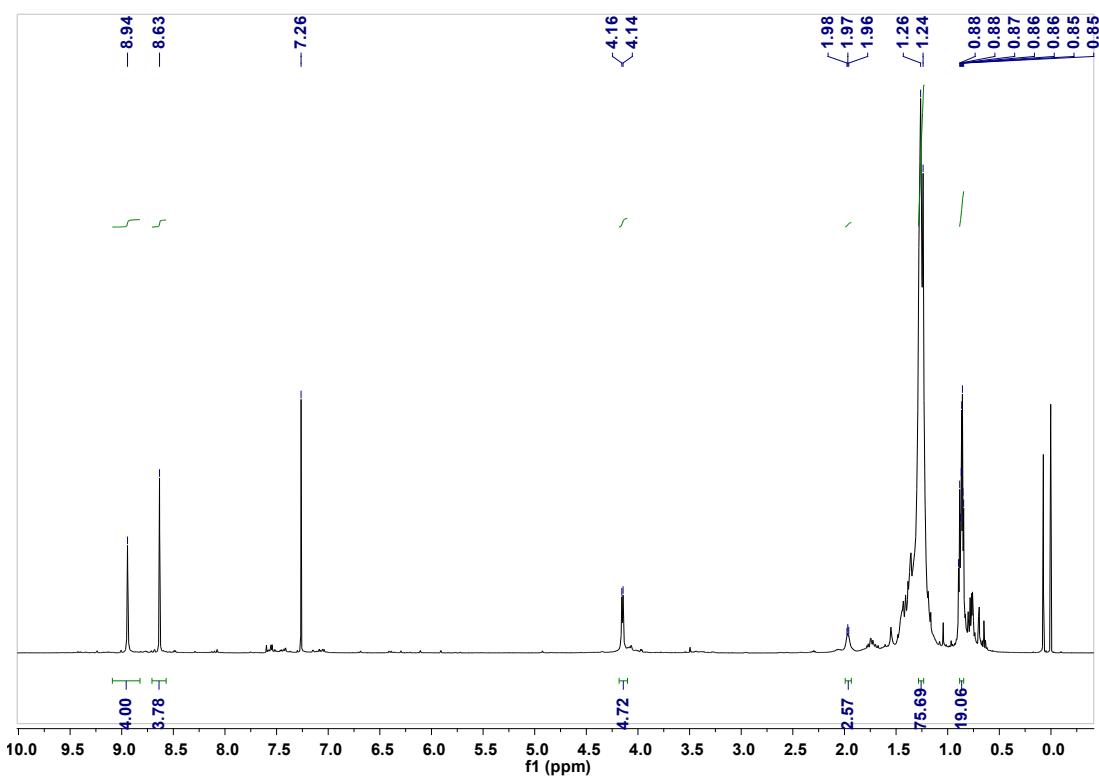


Fig. S3: ¹H NMR of compound 4-Br-TDI-C8C12

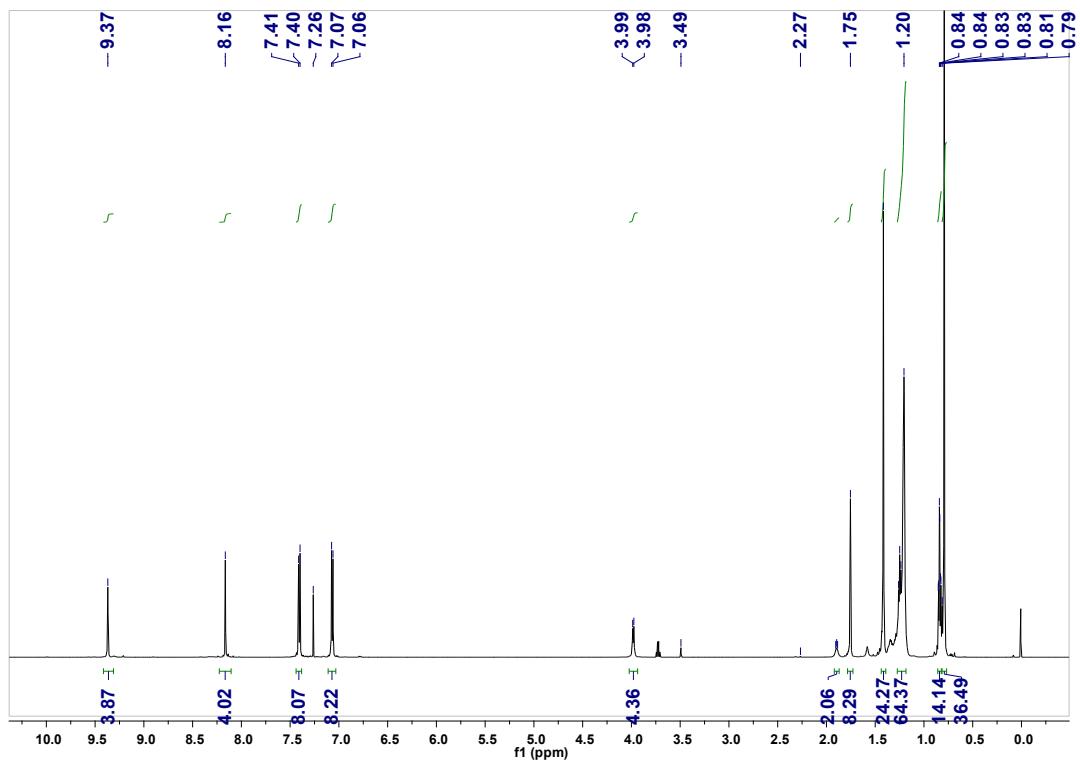


Fig. S4: ¹H NMR of compound TDIC

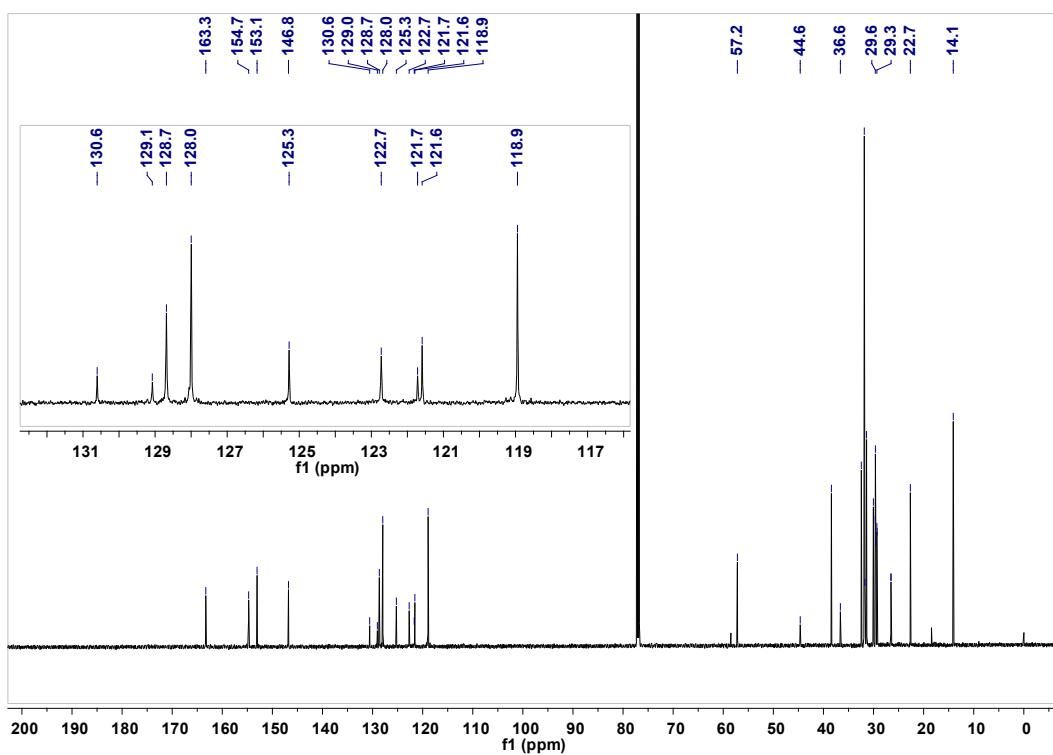


Fig. S5: ¹³C NMR of compound TDIC

2. MS spectra

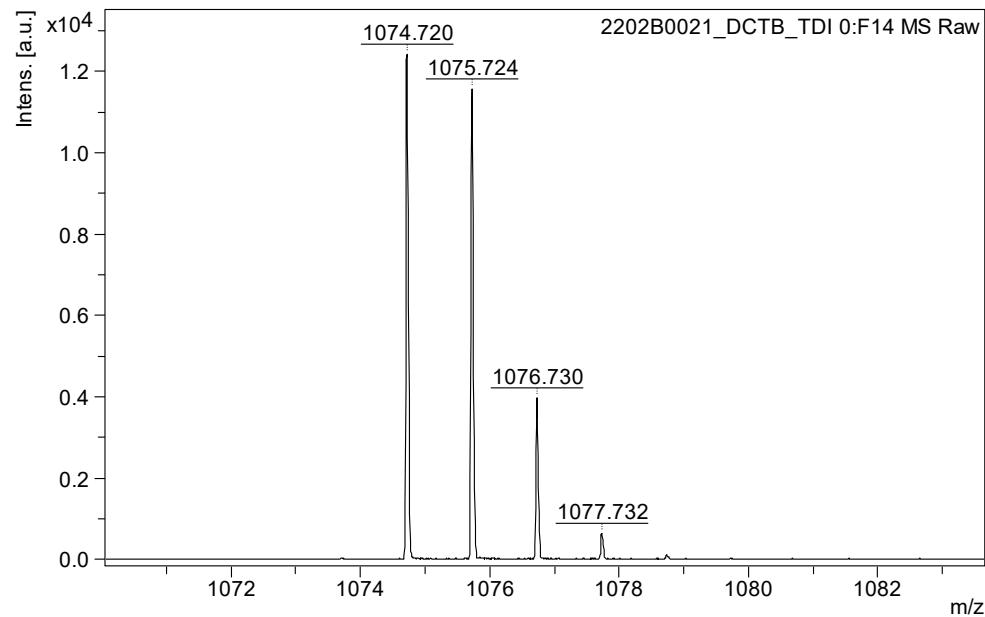


Fig. S6: HRMS of compound TDI-C8C12

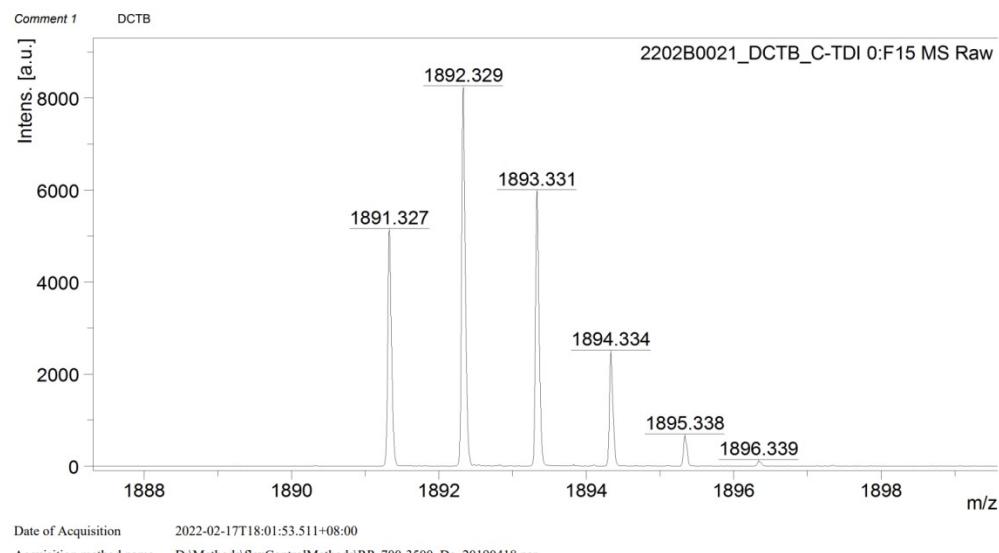


Fig. S7: HRMS of compound TDIC

3. CV of Ferrocene

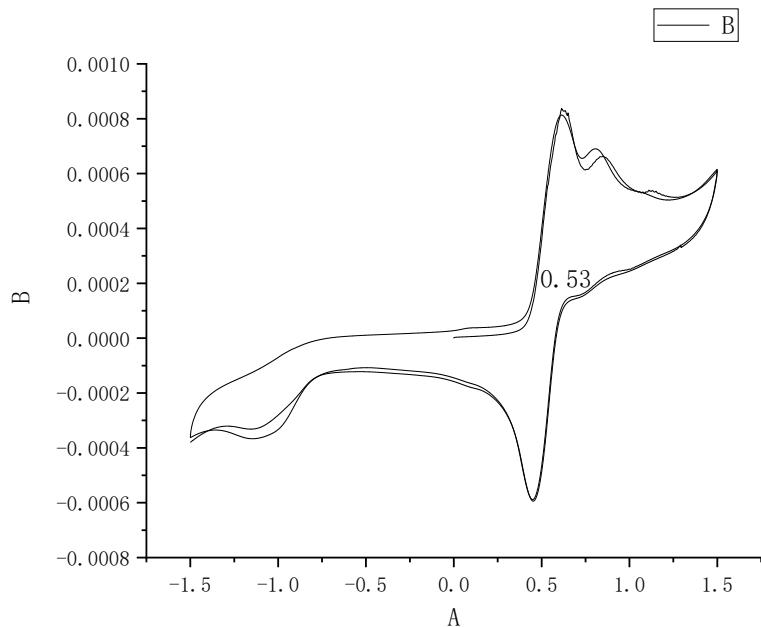


Fig. S8: CV of compound Ferrocene

4. TGA curve of compound TDIC

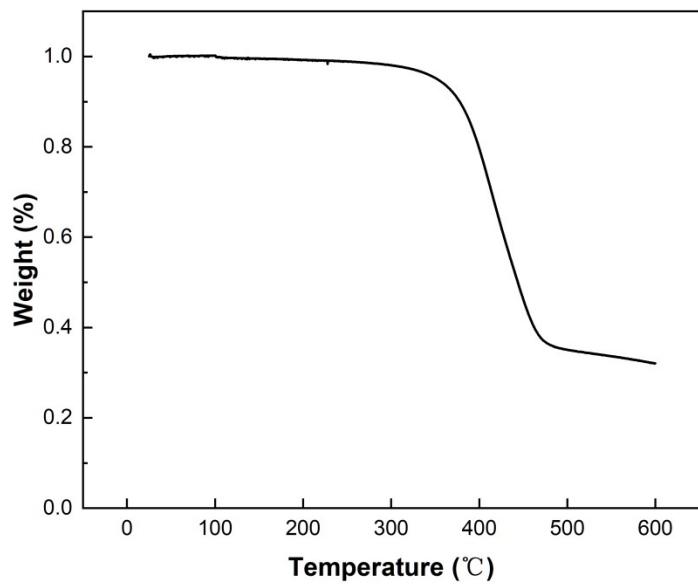


Fig. S9: TGA of compound TDIC

5. Viscosity of compound TDIC

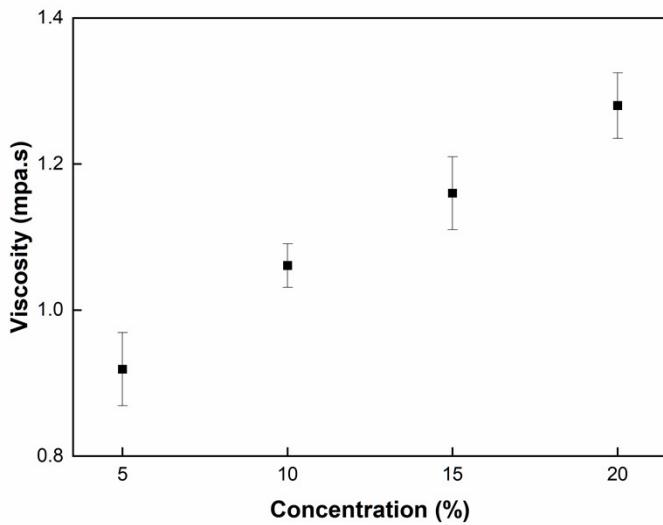


Fig. S10: The viscosity of 5%, 10%, 15%, 20% concentration for TDIC cyan oil.