

Supporting Information

Pyridone Fused Boron-Dipyrromethens: Synthesis and Properties

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Table of contents

Figure S1. Mass spectra of reaction products.....	S2
Figure S2. Absorption and emission spectra of 2 in various solvents.....	S3
Figure S3. Absorption and emission spectra of 3 in various solvents.....	S4
Figure S4. Fluorescence decay profile of 2	S5
Figure S5. Fluorescent decay profile of 3	S6
Structure and identification of nitro substituted BODIPYs.....	S7
¹ H NMR, ¹³ C NMR spectra.....	S8-S13

Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 50.0 mDa / DBE: min = -1.5, max = 100.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 2

Monoisotopic Mass, Even Electron Ions

77 formula(e) evaluated with 1 results within limits (up to 1 closest results for each mass)

Elements Used:

C: 0-28 H: 0-35 N: 0-4 O: 0-2 F: 0-2 11B: 0-1

CC-ZHAO

ECUST institute of Fine Chem

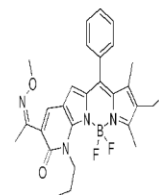
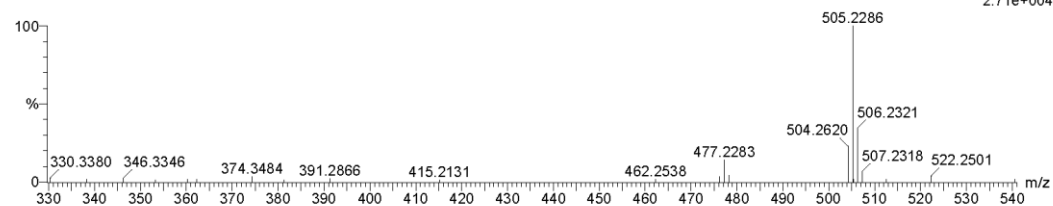
24-Feb-2012

14:25:40

1: TOF MS ES+

2.71e+004

ZCC-ZJX-1 28 (0.937) Cm (25:28)



Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 50.0 mDa / DBE: min = -1.5, max = 100.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 2

Monoisotopic Mass, Even Electron Ions

131 formula(e) evaluated with 1 results within limits (up to 1 closest results for each mass)

Elements Used:

C: 0-29 H: 0-40 N: 0-5 O: 0-3 10B: 0-1 F: 0-2

CC-ZHAO

ECUST institute of Fine Chem

24-Feb-2012

14:16:06

1: TOF MS ES+

1.46e+004

ZCC-ZJX-2 19 (0.668) Cm (17:19)

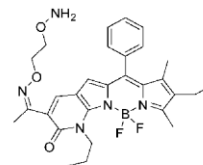
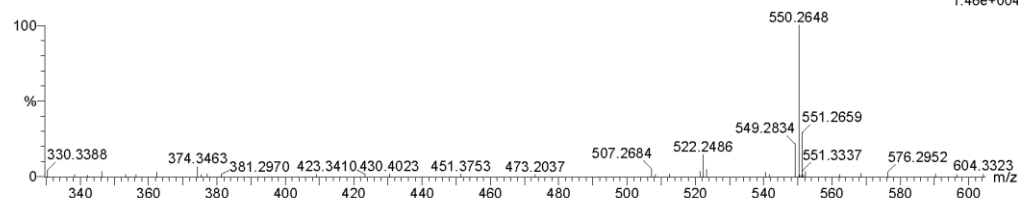


Figure S1. Mass of the reaction products for **1** with methoxyamine and **1** with 1,2-bis(oxyamino)ethane.

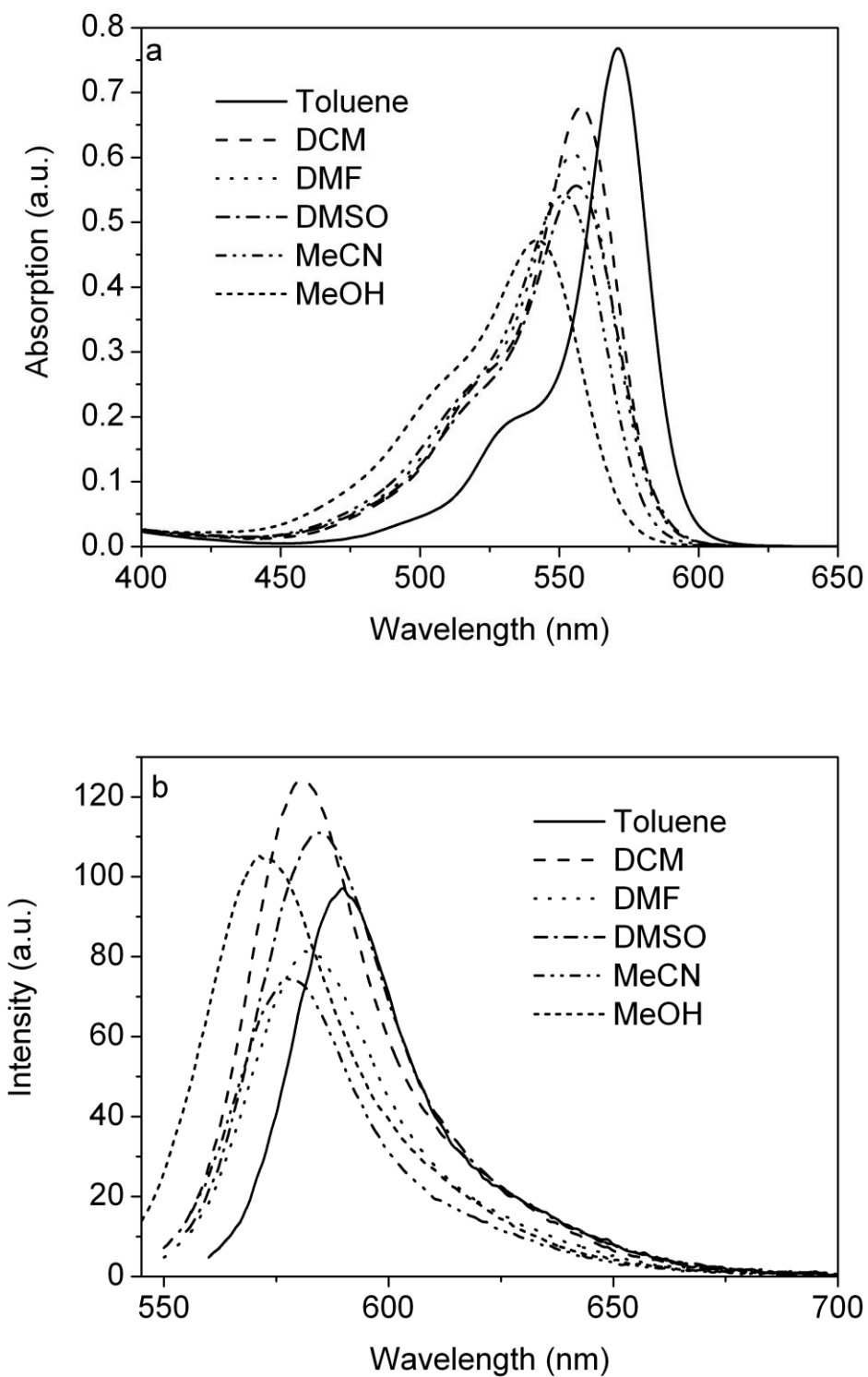


Figure S2. (a) The absorption and (b) emission of **2** in different solvents.

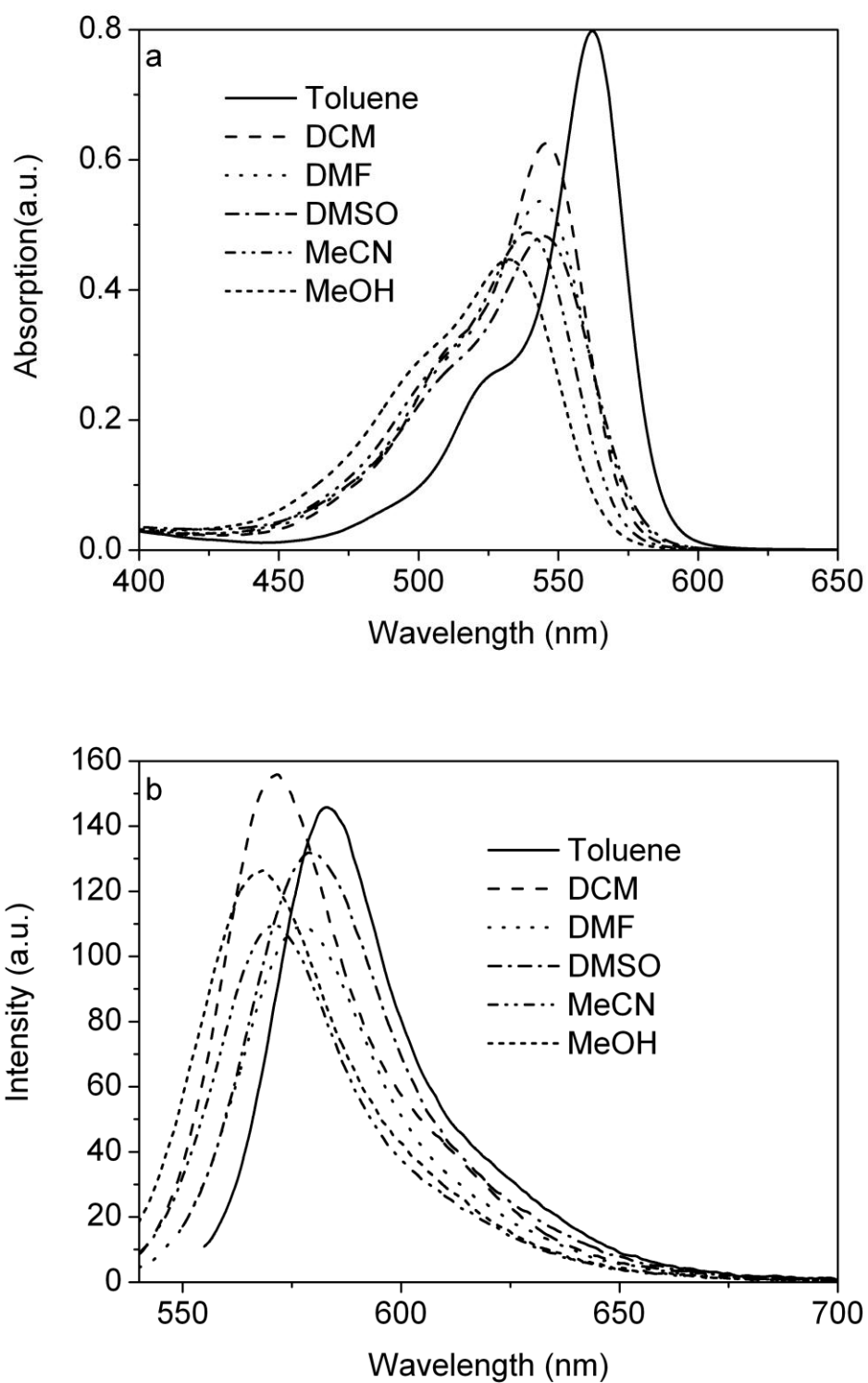


Figure S3. (a) The absorption and (b) emission of **3** in different solvents.

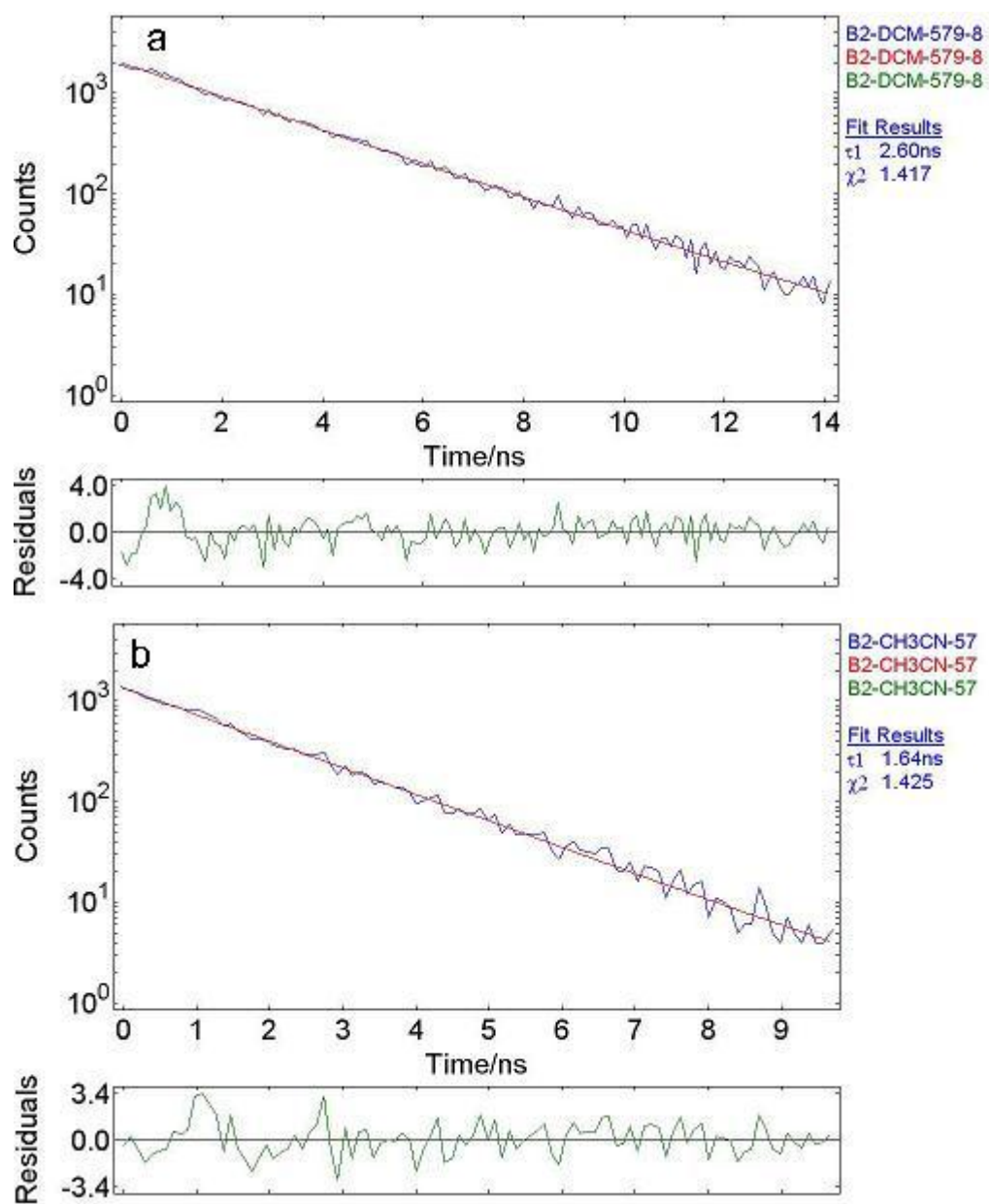


Figure S4. Fluorescent decay profiles of **2** in CH_2Cl_2 (a) and CH_3CN (b).

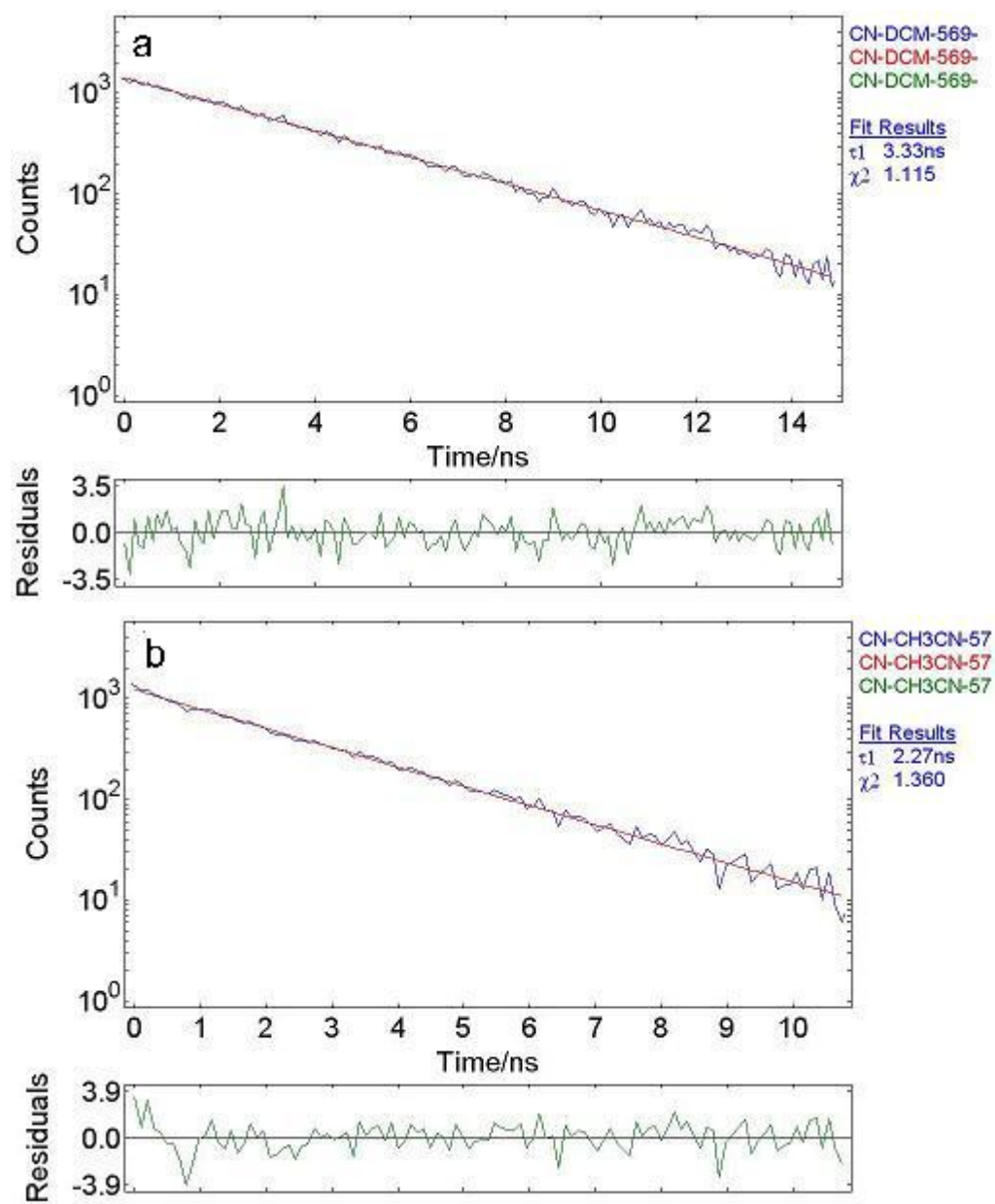
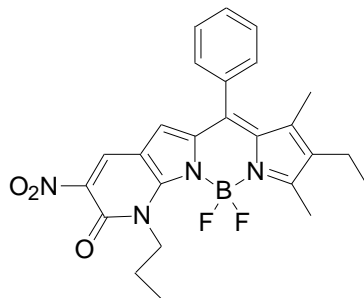


Figure S5. Fluorescent decay profiles of **3** in CH_2Cl_2 (a) and CH_3CN (b).



^1H NMR (400 MHz, CDCl_3): δ 1.07 (m, 6H), 1.48 (s, 3H), 1.85 (m, 2H), 2.42 (q, J = 7.6 Hz, 2H), 2.71 (s, 3H), 4.65 (t, J = 8.0 Hz, 2H), 6.50 (s, 1H), 7.34 (m, 2H), 7.56 (m, 3H), 8.44 (s, 1H); ^{13}C NMR (100 MHz, CDCl_3): δ 11.2, 12.3, 13.8, 13.9, 17.3, 21.4, 47.1, 110.9, 122.5, 128.1, 128.7, 129.0, 129.1, 129.9, 132.7, 133.2, 133.7, 136.9, 140.2, 142.5, 149.7, 155.0, 166.7; HRMS (ESI) calcd for $\text{C}_{25}\text{H}_{25}\text{BN}_4\text{O}_3\text{F}_2$: 478.1988; found: 478.1991 $[\text{M}]^+$.

^1H NMR and ^{13}C NMR

