

Supplementary Information

Boron difluoride complexes of 3-Hydroxyflavones : Efficient Bioinspired dyes emitting in the visible

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Figure S1. UV/visible electronic absorption (straight line) and luminescence (dashed line) in cyclohexane (black), dichloromethane (red) and acetonitrile (blue) for a/ **1-H**, b/ **2-H**, c/ **3-H**, d/ **4-H**, e/ **5-H** and f/ **6-H**.

Figure S2. UV/visible electronic absorption spectra of the free ligands (—) and their BF₂ complexes (—) in DCM. a/ **1**; b/ **2**; c/ **3**; d/ **4**; e/ **5** and f/ **6**.

Figure S3. UV/visible electronic absorption spectra and emission spectra of a/ **1-BF₂**; b/ **2-BF₂**; c/ **3-BF₂**; d/ **4-BF₂**; **5-BF₂** and f/ **6-BF₂** in CCl₄, chloroform, dichloromethane and dichloroethane.

Figure S4. a/ Stokes shifts of **n-BF₂** as a function of the Stokes shift of **2-BF₂**; b/ Stokes shifts of **n-BF₂** as a function of the Stokes shift of **4-BF₂**.

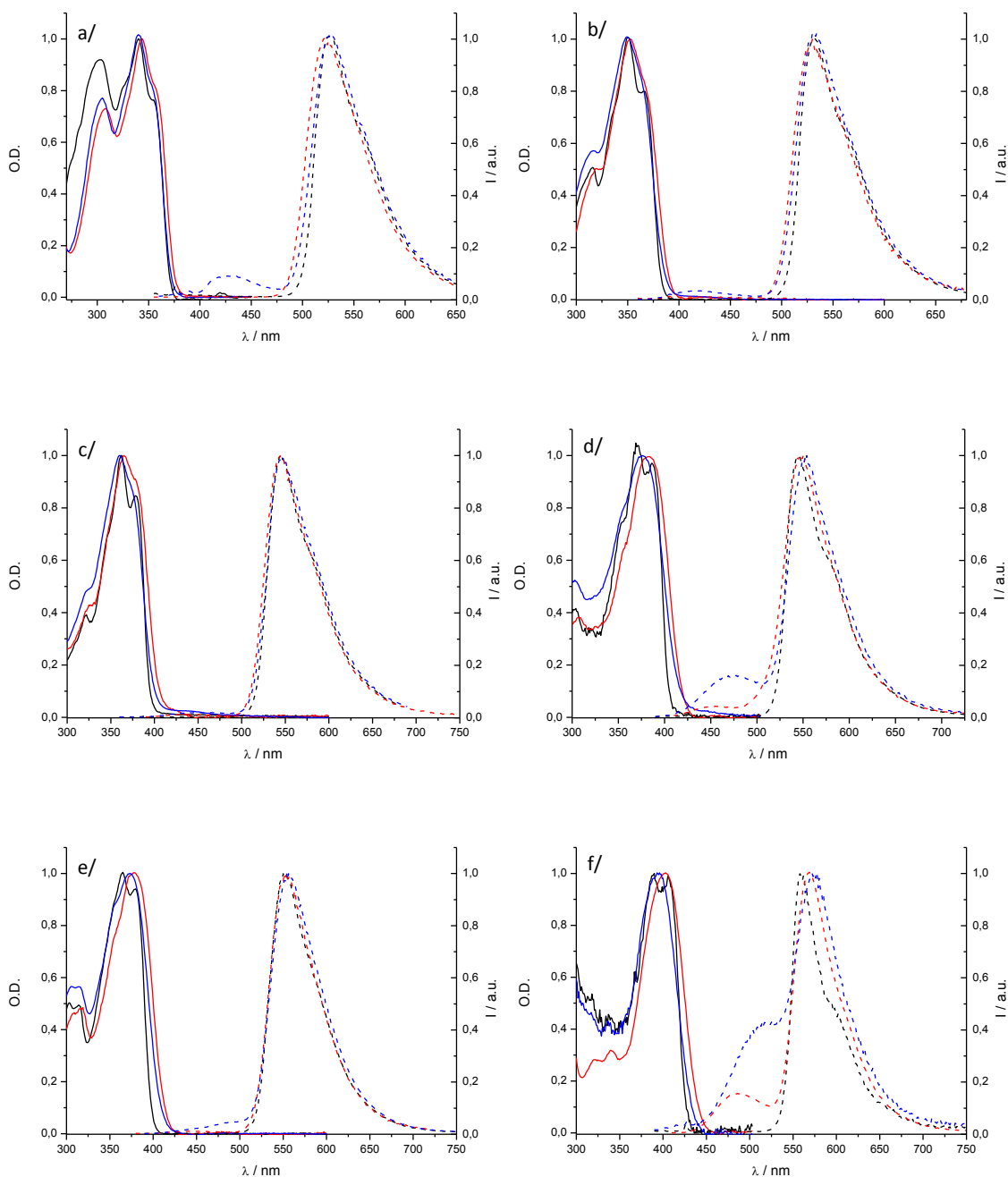


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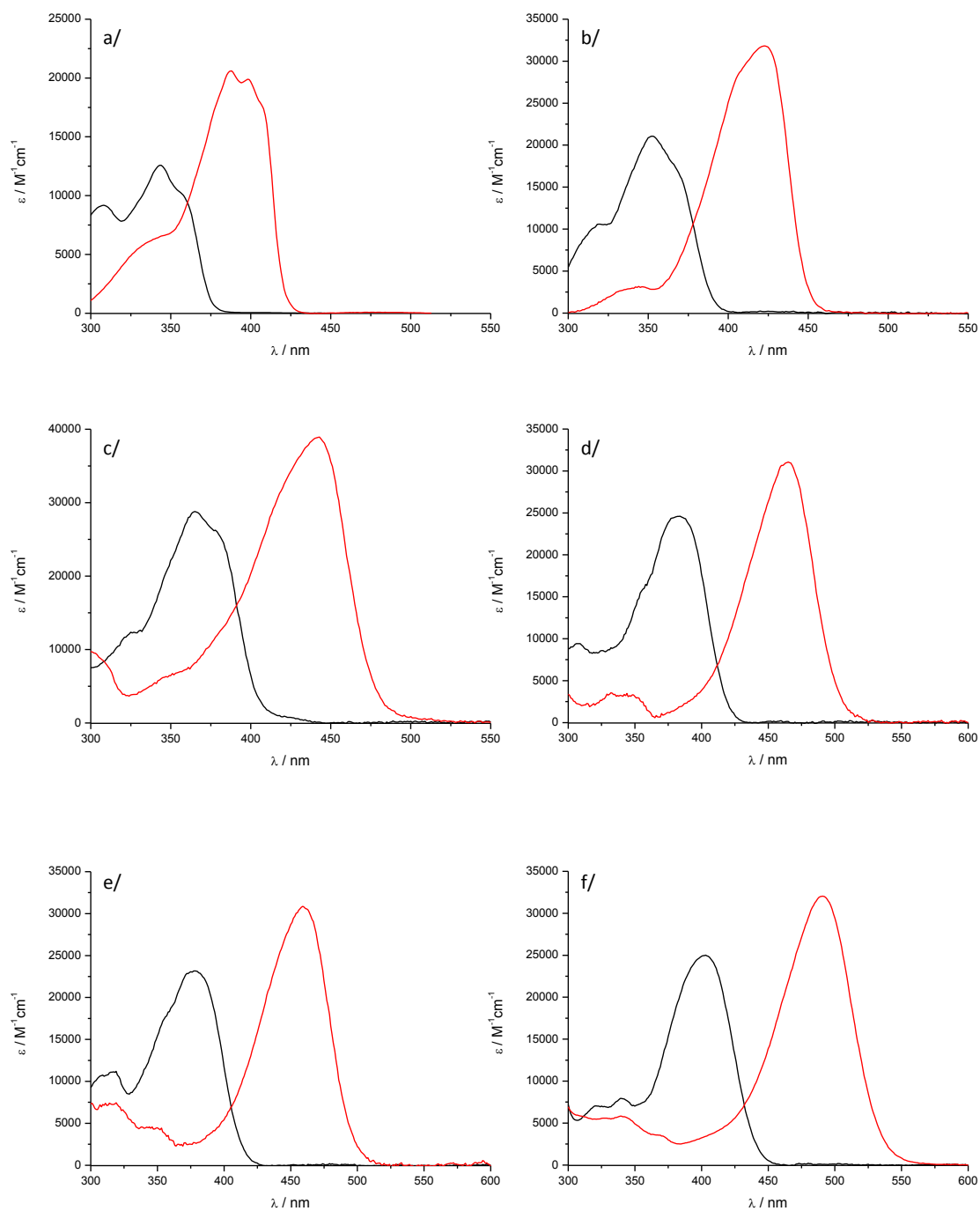


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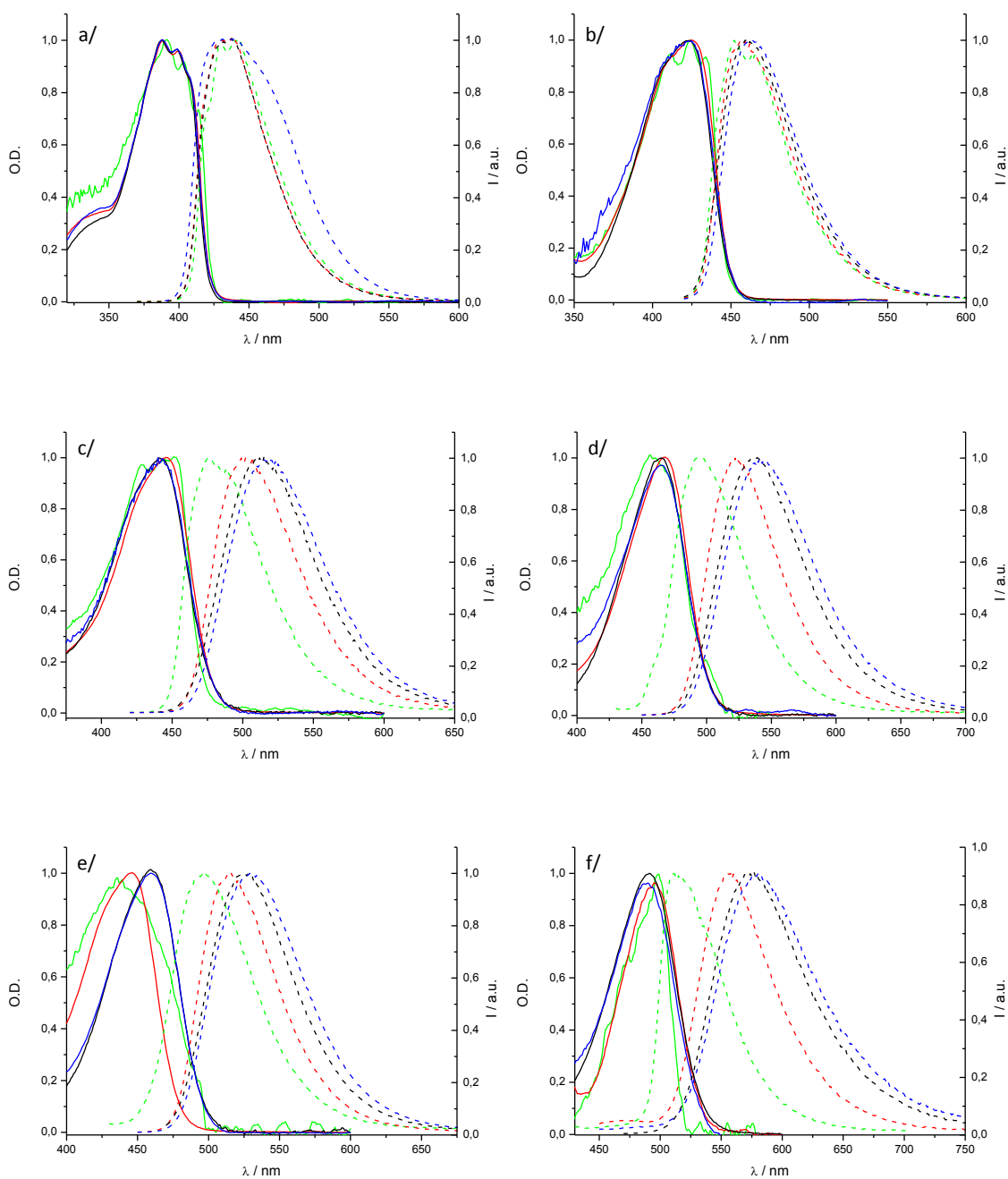


Figure S3. UV/visible electronic absorption spectra and emission spectra of a/ **1-BF₂**; b/ **2-BF₂**; c/ **3-BF₂**; d/ **4-BF₂**; **5-BF₂** and f/ **6-BF₂** in CCl_4 , chloroform, dichloromethane and dichloroethane.

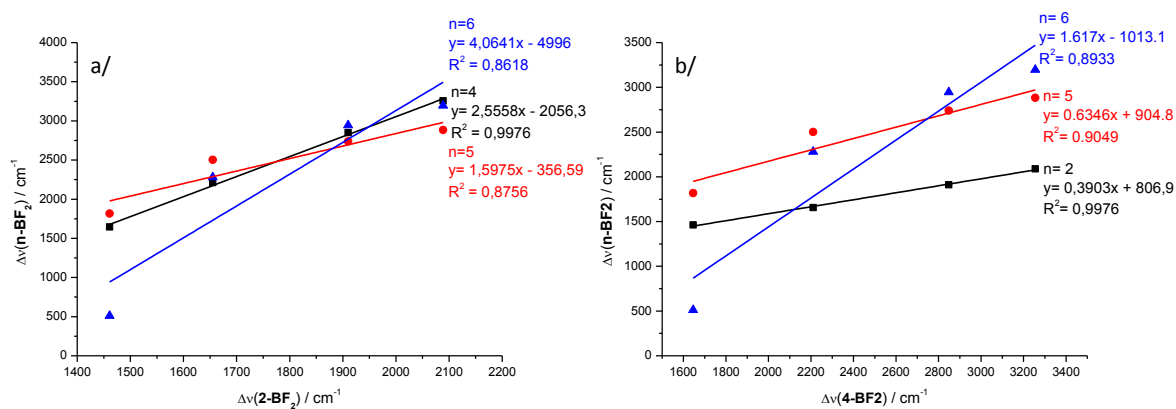


Figure S4. a/ Stokes shifts of $n\text{-BF}_2$ as a function of the Stokes shift of 2-BF_2 ; b/ Stokes shifts of $n\text{-BF}_2$ as a function of the Stokes shift of 4-BF_2 .