Electronic Supplementary Information

Enhanced mechanofluorochromic properties of 1,4-dihydropyridine-based fluorescence molecules caused by the introduction of halogen atoms

Yating Chen, Yibin Zhou, Zhiqiang Wang, Mengzhu Wang, Wenxia Gao, Yunbing Zhou, Miaochang Liu, Xiaobo Huang* and Huayue Wu*

College of Chemistry and Materials Engineering, Wenzhou University, Wenzhou, 325035, P. R. China
E-mail: xiaobhuang@wzu.edu.cn (X. Huang), huayuewu@wzu.edu.cn
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Fig. S1 Crystal CMD-Cl: (a) Molecular packing mode. (b) The C–H···O bond and C–H···π bond in the same column. (c) The C–H···O bond and C–H···N bond between different columns.

Fig. S2 Crystal CMD-Br: (a) Molecular packing mode. (b) The C–H···O bond and C–H···π bond in the same column. (c) The C–H···O bond between different columns.
Fig. S3 CMD-F: Fluorescence spectra (a), changes in the fluorescence intensity (b), and UV-vis absorption spectra (c) in DMSO-water mixtures (10.0 μmol/L) with $f_w$ values from 0 to 99%. Fluorescence spectra (d) in DMSO-glycerol mixtures (10.0 μmol/L) with the glycerol volume fraction from 0 to 90%. The insets in (a) show digital photographs of the fluorescence of mixtures with $f_w$ = 0, 70, and 99%.
**Fig. S4 CMD-Cl**: Fluorescence spectra (a), changes in the fluorescence intensity (b), and UV-vis absorption spectra (c) in DMSO-water mixtures (10.0 μmol/L) with $f_w$ values from 0 to 99%. Fluorescence spectra (d) in DMSO-glycerol mixtures (10.0 μmol/L) with the glycerol volume fraction from 0 to 90%. The insets in (a) show digital photographs of the fluorescence of mixtures with $f_w = 0$, 70, and 99%.
**Fig. S5 CMD-Br:** Fluorescence spectra (a), changes in the fluorescence intensity (b), and UV-vis absorption spectra (c) in DMSO-water mixtures (10.0 μmol/L) with \( f_w \) values from 0 to 99%. Fluorescence spectra (d) in DMSO-glycerol mixtures (10.0 μmol/L) with the glycerol volume fraction from 0 to 90%. The insets in (a) show digital photographs of the fluorescence of mixtures with \( f_w \) = 0, 50, 60, and 70%.
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