Electronic Supplementary data

Pyridoxal-thiosemicarbazide: its anion sensing ability and application in living cells imaging

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Fig. S1. Changes in the absorbance spectrum of L (5.0 \times 10^{-5} \text{M}) upon addition of incremental amounts of TBAAcO (1.0 \times 10^{-3} \text{M}) in DMSO.

Fig. S2. B-H plot of AcO\(^{-}\) with L.
**Fig. S3.** Job’s plot of L with fluoride and acetate.

**Fig S4.** The absorption spectra of L with ten equivalents of TBAOH and TBAF in DMSO.
**Fig. S5.** Interference study of L with various anions (2 equiv.) in the presence of F⁻ (1 equiv.).

**Fig. S6.** Interference study of L with various anions (2 equiv.) in the presence of AcO⁻ (1 equiv.).
**Fig. S7.** Changes in the fluorescence spectra of L (1 × 10^{-5} M) after the successive addition of AcO^- (0-200 μL, 1 × 10^{-4} M).

**Fig. S8.** The linear curve fitting of fluorescent intensity at 506 nm as a function of [AcO^-].