Electronic supplementary information for

A sensitive and selective fluorescent probe for hydrazine with a unique nonaromatic fluorophore

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Fig. S2 ¹H NMR of compound 2 in CDCl₃.











Fig. S6 ¹³C NMR of Che-Dcv in CDCl₃.







Fig. S8 ¹H NMR spectra of Che-Dcv in the absence (a) and presence (b) of N_2H_4 (20 equiv) in DMSO- d_6 .



Fig. S9 HRMS of Che-Dcv upon the addition of hydrazine.



Fig. S10 Cell viability of H1975 cells after incubation with different concentrations of Che-Dcv

(0-32 $\mu M)$ for 24 h.