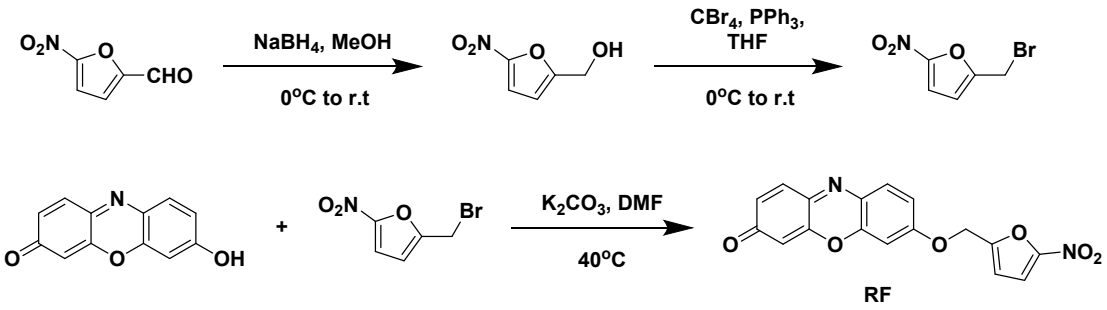
Electronic Supplementary Material (ESI) for Analyst.

Supplementary Information

Syntheses route of RF



Scheme S1. synthetic procedure of RF.

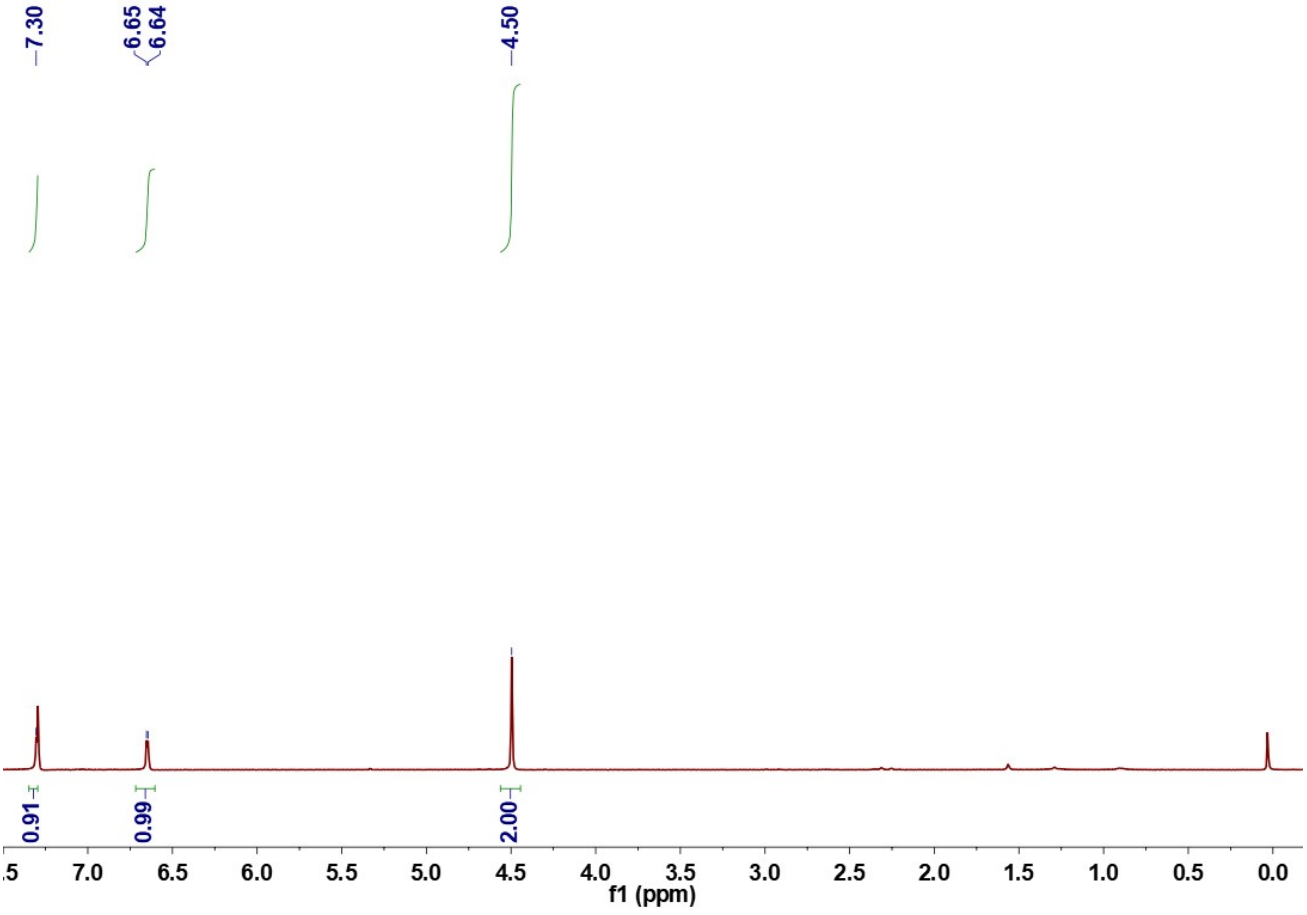


Figure S1. ^{1}H NMR spectrum of 5-nitrofurfuryl bromide in $CDCl_3$.

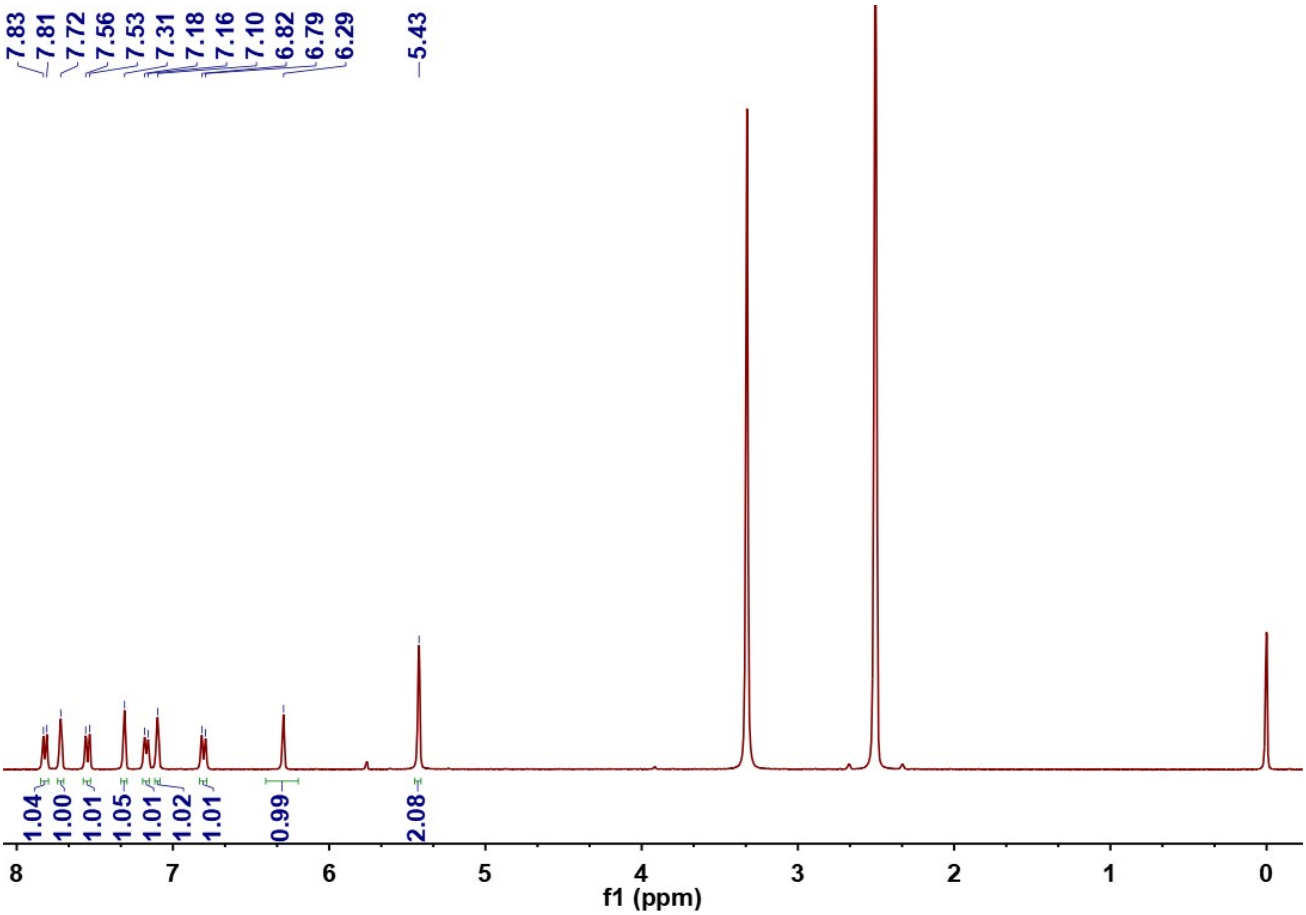


Figure S2. ^{1}H NMR spectrum of RF in d_6-DMSO.

Response of RF towards NADH

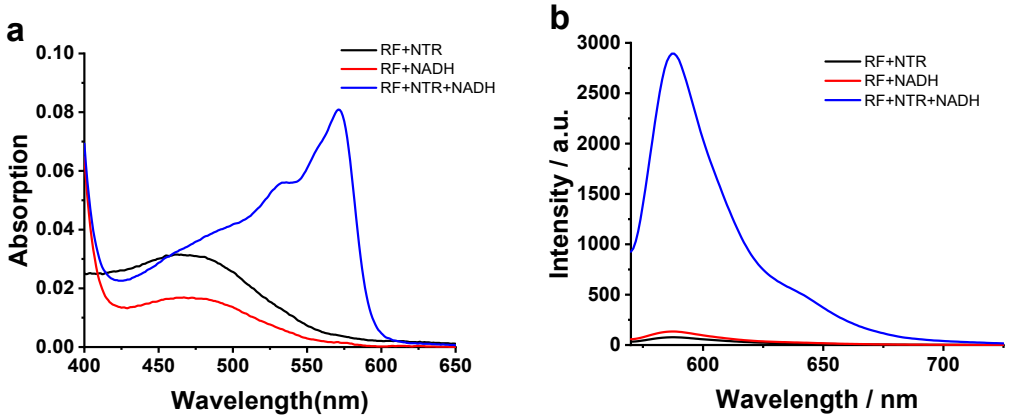


Figure S3. Absorption (a) and fluorescence spectra (b) of RF (5 μM) reacts with nitroreductase (NTR) (0.20 μg/mL) or NADH (500 μM) alone, or both NTR (0.20 μg/mL) and NADH (500 μM) at 37 °C for 15 min. λ_{ex} = 540 nm.

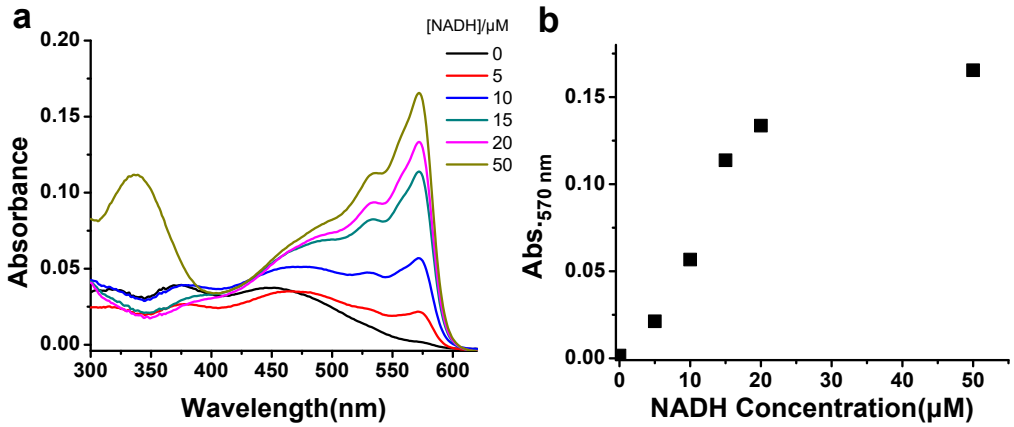


Figure S4. Absorption spectra (a) and corresponding absorbance at 570 nm (b) of probe RF (10 μM) in response to various concentrations of NADH (0 – 50 μM).