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## **Electronic Supplementary Information**

## A new pyranopyrazole based colorimetric chemosensor for the selective recognition of

## **Biothiols: Applications in real samples**

## Swati Negi<sup>a</sup>, Priya Takkar<sup>a</sup>, Parveen Gahlyan<sup>a</sup>, Rakesh Kumar<sup>a\*</sup>

<sup>a</sup> Bio-organic Laboratory, Department of Chemistry, University of Delhi, Delhi 110007, India

\* Corresponding author Email: rakeshkp@email.com

Figure 1. <sup>1</sup>H NMR of compound **5** in (DMSO-*d*<sub>6</sub> 400 MHz)

Figure 2. <sup>13</sup>C NMR of compound **5** in (DMSO-*d*<sub>6</sub>, 100 MHz)

Figure 3. <sup>1</sup>H NMR of compound **P1** in (DMSO-*d*<sub>6</sub>, 400 MHz)

Figure 4. <sup>13</sup>C NMR of compound **P1** in DMSO-*d*<sub>6</sub>, 100 MHz)

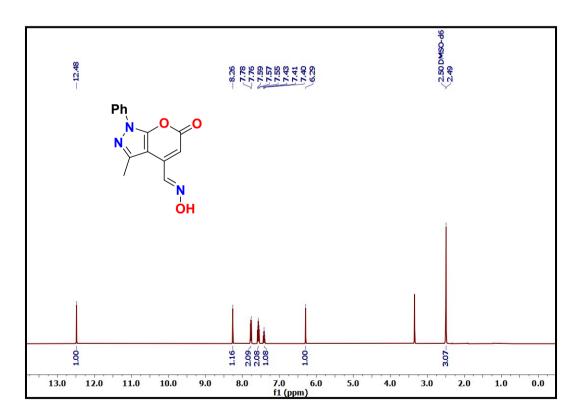


Figure 1. <sup>1</sup>H NMR Spectra of compound 5 (400MHz, DMSO-  $d_6$ )

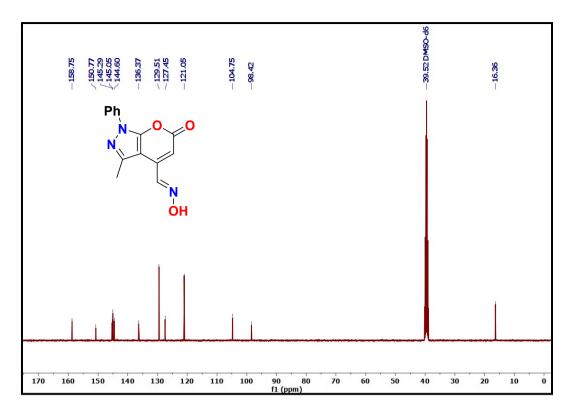


Figure 2. <sup>13</sup> C NMR Spectra of compound 5 (100MHz, DMSO-  $d_6$ )

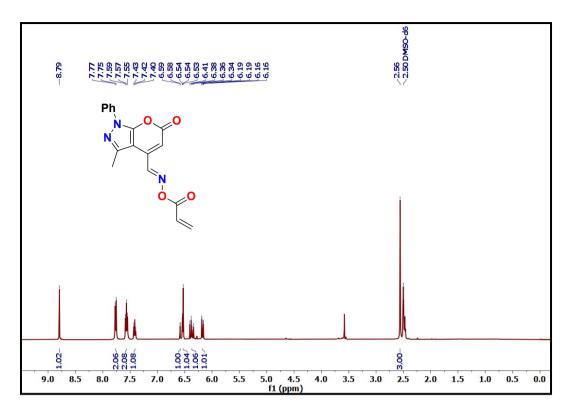


Figure 3. <sup>1</sup>H NMR Spectra of compound P1 (400MHz, DMSO-  $d_6$ )

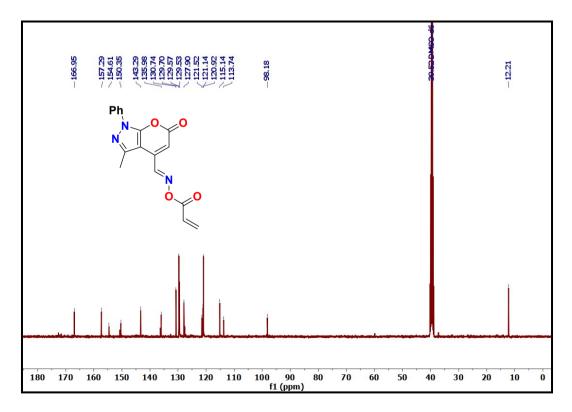


Figure 4. <sup>13</sup>C NMR Spectra of compound P1 (400MHz, DMSO-  $d_6$ )