

## Supplementary Material

# Versatile Colorimetric Chemosensor Based on Bis(rhodamine) B Hydrazone for Rapid Detection of Multi-Analytes ( $\text{Fe}^{3+}$ , $\text{Bi}^{3+}$ , $\text{Cu}^{2+}$ , and $\text{Hg}^{2+}$ ) in Aqueous Media

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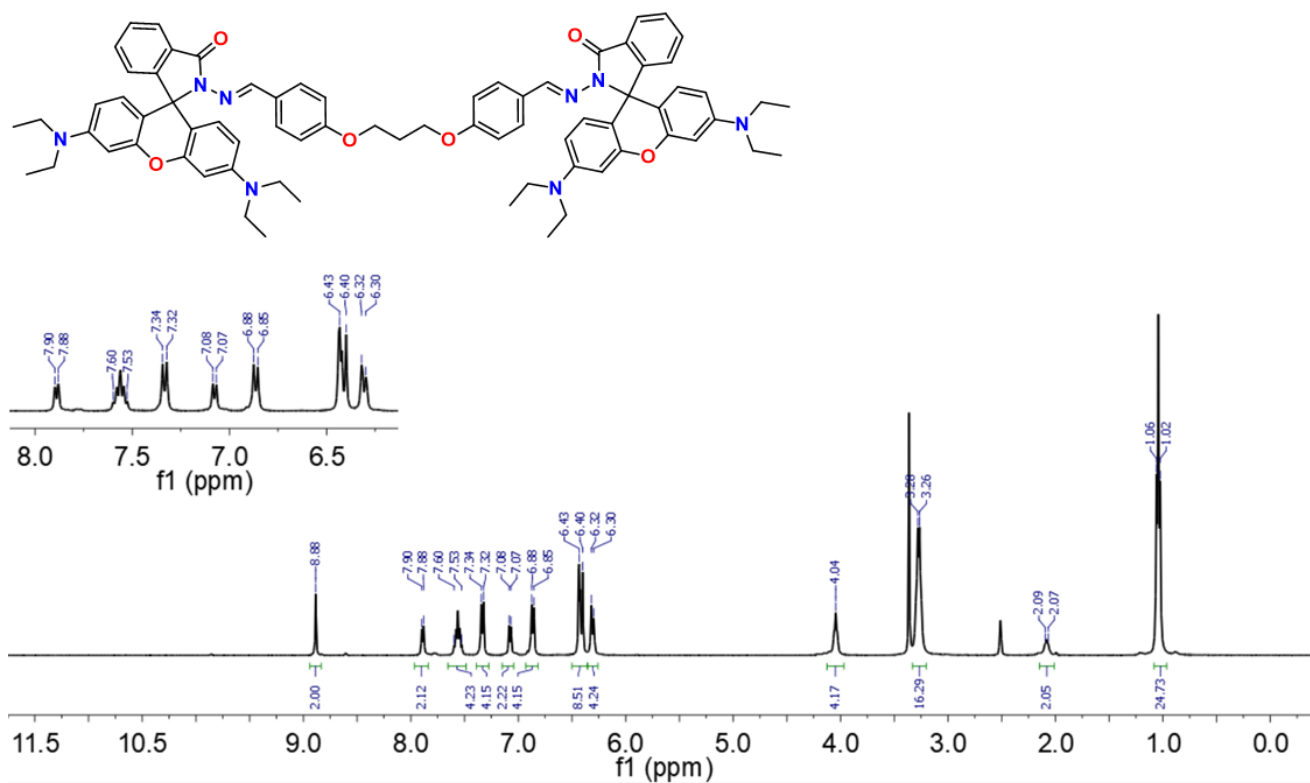


Fig. S1 <sup>1</sup>H NMR spectrum of chemosensor L (DMSO-d<sub>6</sub>, 400 MHz).

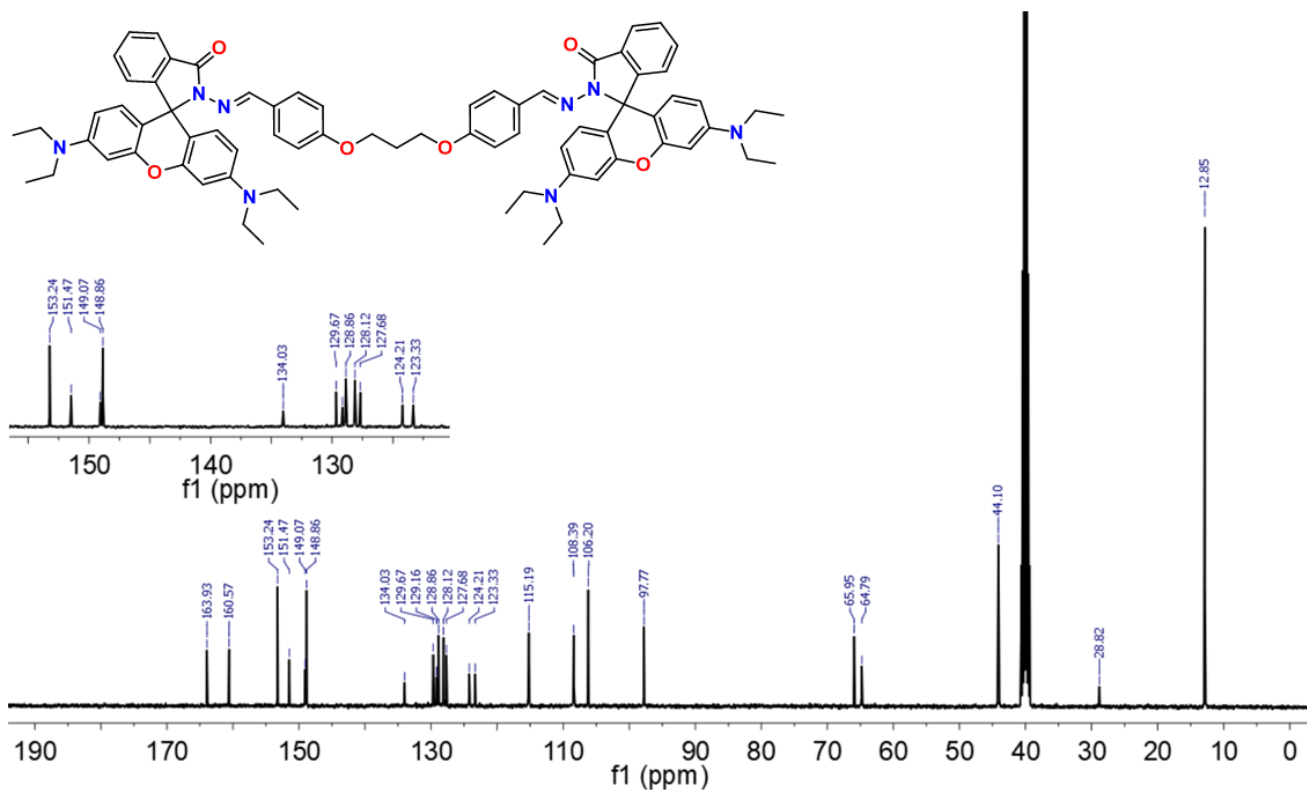
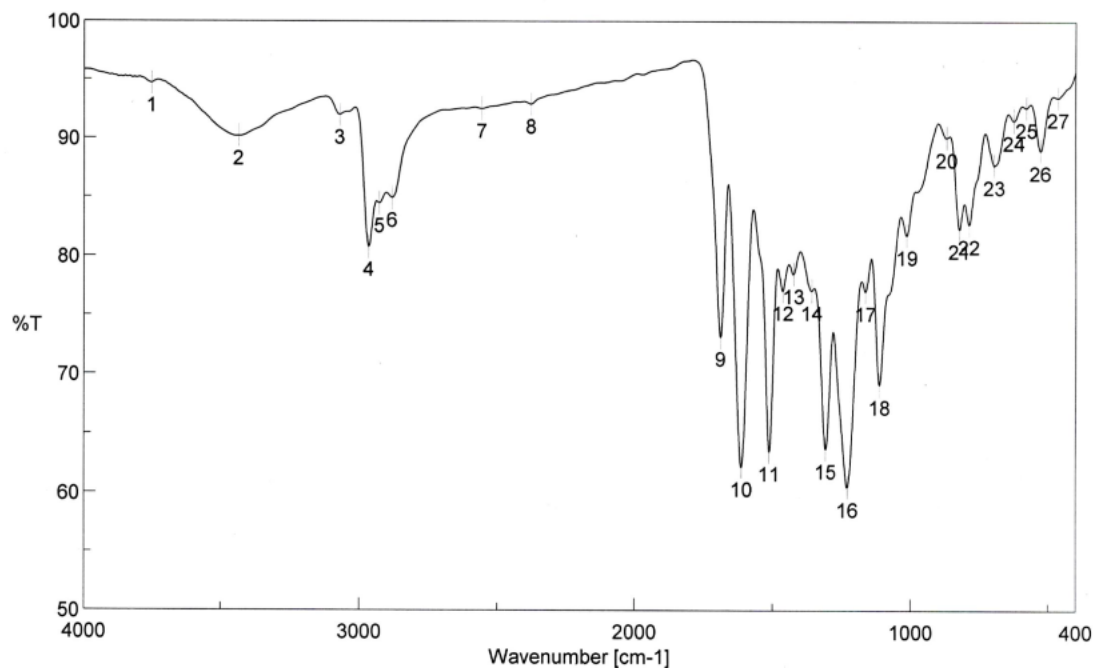


Fig. S2  $^{13}\text{C}$  NMR spectrum of chemosensor L ( $\text{DMSO-}d_6$ , 100 MHz).



[Comments]  
 Sample name N5  
 Comment 7/2019  
 User IR  
 Division IR  
 Company MAC

[ Result of Peak Picking ]

No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity
1	3752.8	94.6656	2	3436.53	90.166	3	3072.05	91.9906
4	2966.95	80.7757	5	2928.38	84.4486	6	2882.09	84.9298
7	2556.18	92.5087	8	2376.84	92.9019	9	1689.34	73.1385
10	1613.16	62.1444	11	1512.88	63.4441	12	1464.67	77.0623
13	1426.1	78.481	14	1360.53	77.0576	15	1309.43	63.6607
16	1230.36	60.4269	17	1165.76	77.0088	18	1114.65	69.0434
19	1015.34	81.7871	20	868.774	90.0809	21	822.491	82.3083
22	786.815	82.7075	23	695.212	87.7538	24	623.859	91.5367
25	578.54	92.6368	26	527.436	88.9929	27	462.832	93.4806



Fig. S3. FT IR spectrum of chemosensor L.