

## Supplementary Material

### One-pot three-component synthesis of 6-aryl-3-(arylamino)-5H-thiazolo[3',2':1,2]pyrimido[4,5-*b*]quinolines utilizing 4-amino-6-oxo-pyrimidin-tethered *N*-aryl-2-mercaptoacetamides as precursors

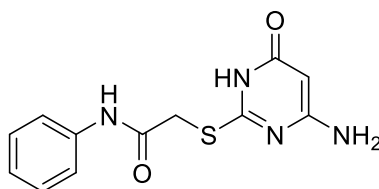
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[ismail\\_shafy@cu.edu.eg](mailto:ismail_shafy@cu.edu.eg)

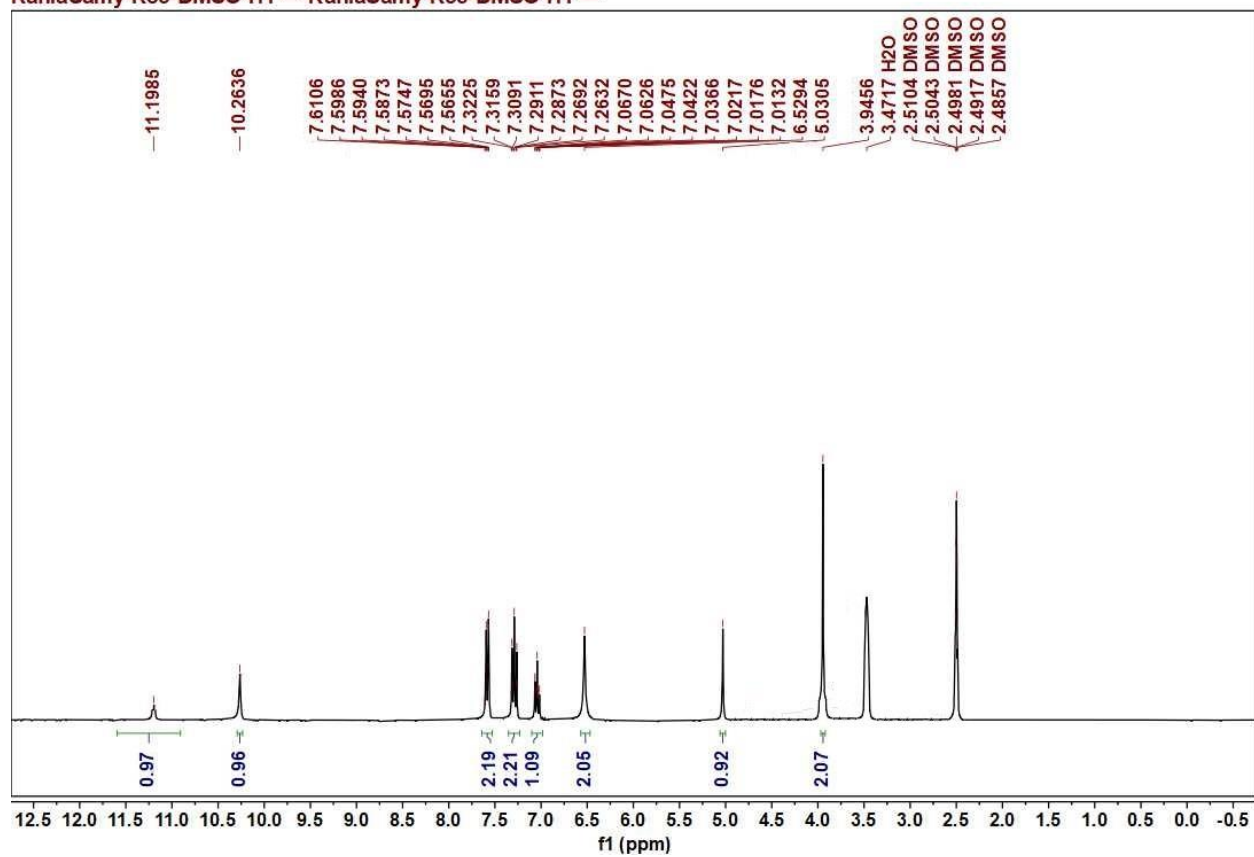
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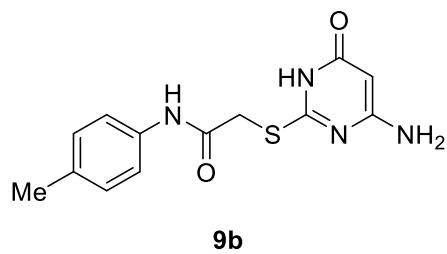
Spectral data including copies of <sup>1</sup>H and <sup>13</sup>C NMR spectra of new compounds.....S2



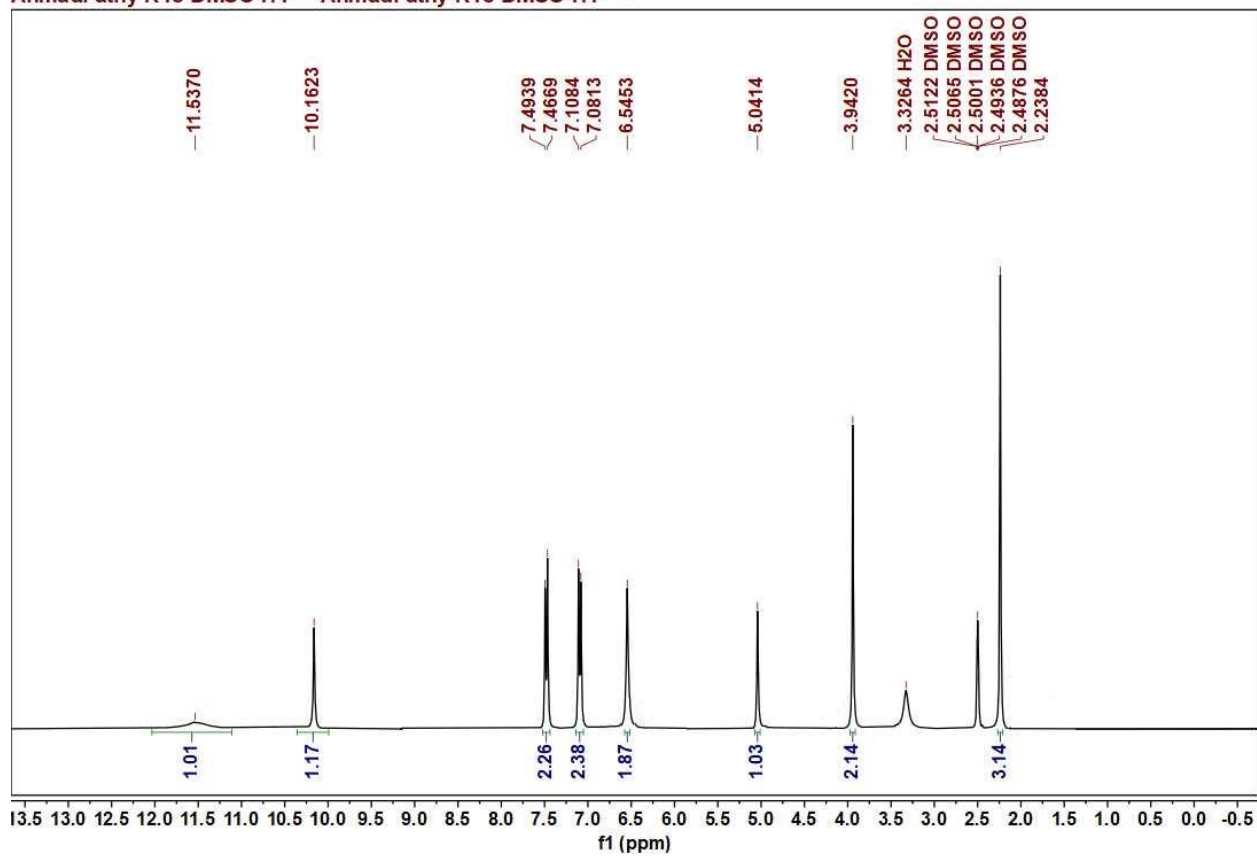
9a

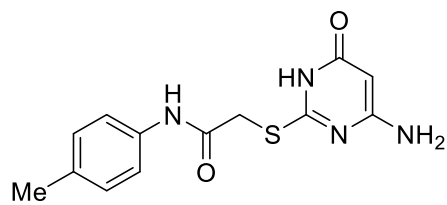
RaniaSamy-R53-DMSO-H1 — RaniaSamy-R53-DMSO-H1 —

Figure 1. The <sup>1</sup>H NMR spectrum of compound 9a

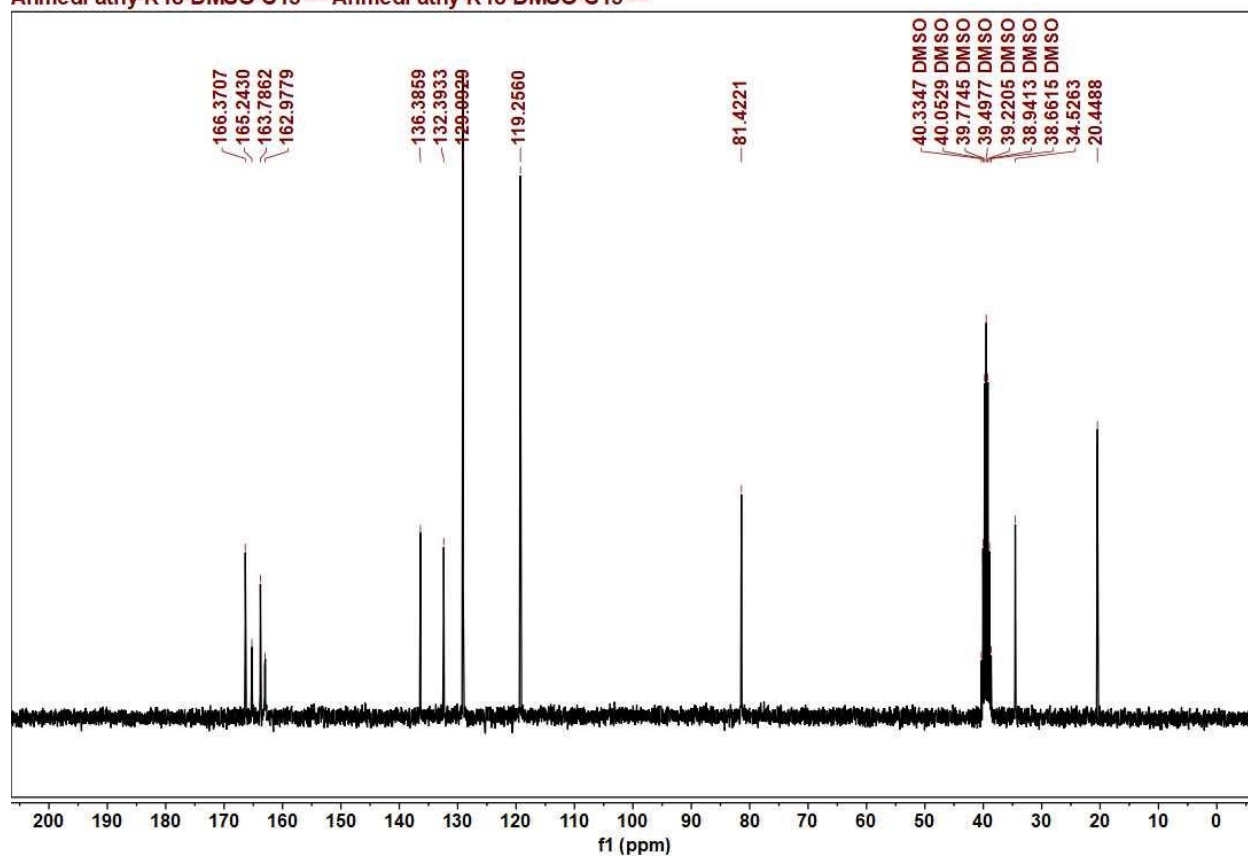


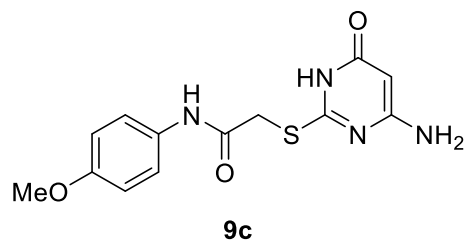
AhmadFathy-R18-DMSO-H1 — AhmadFathy-R18-DMSO-H1 —

**Figure 2.** The <sup>1</sup>H NMR spectrum of compound **9b**

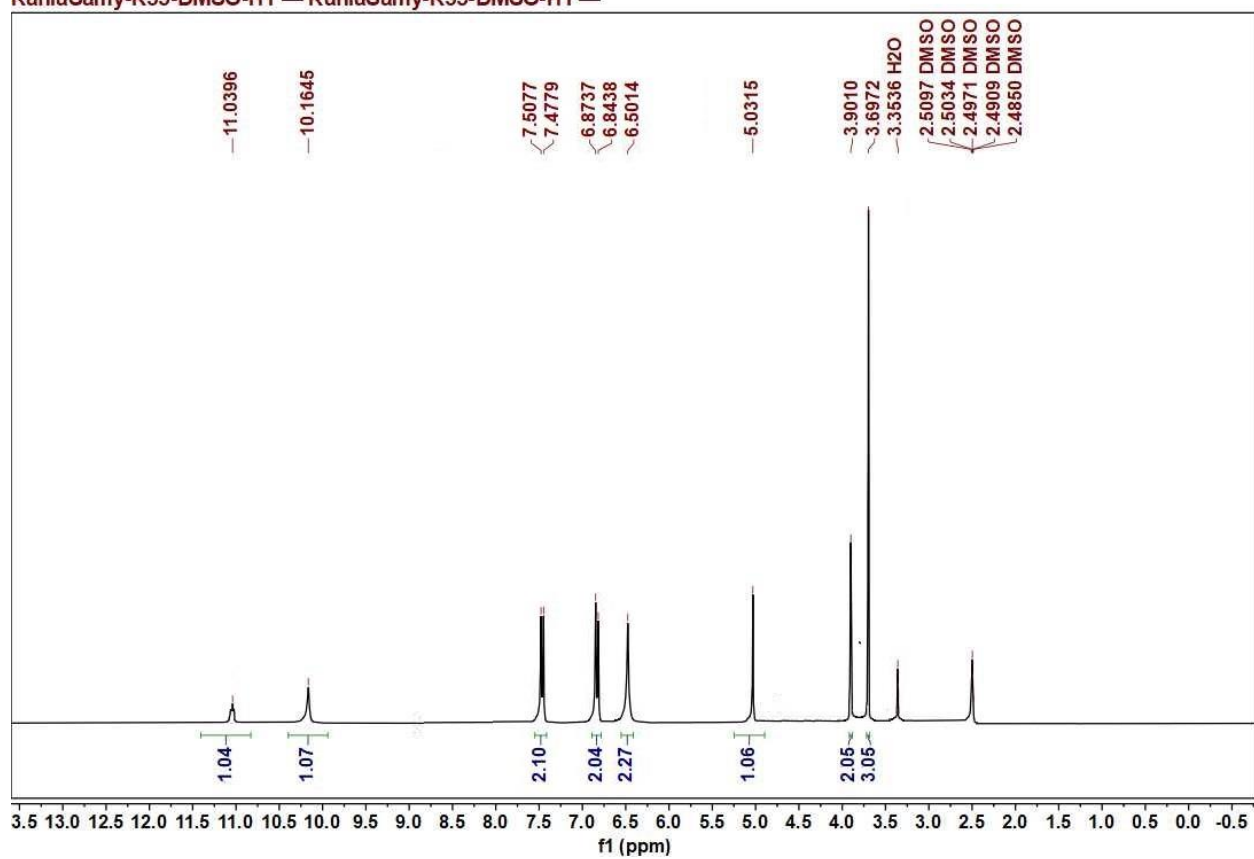
**9b**

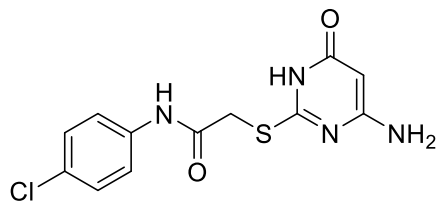
AhmedFathy-R18-DMSO-C13 — AhmedFathy-R18-DMSO-C13 —

**Figure 3.** The <sup>13</sup>C NMR spectrum of compound **9b**



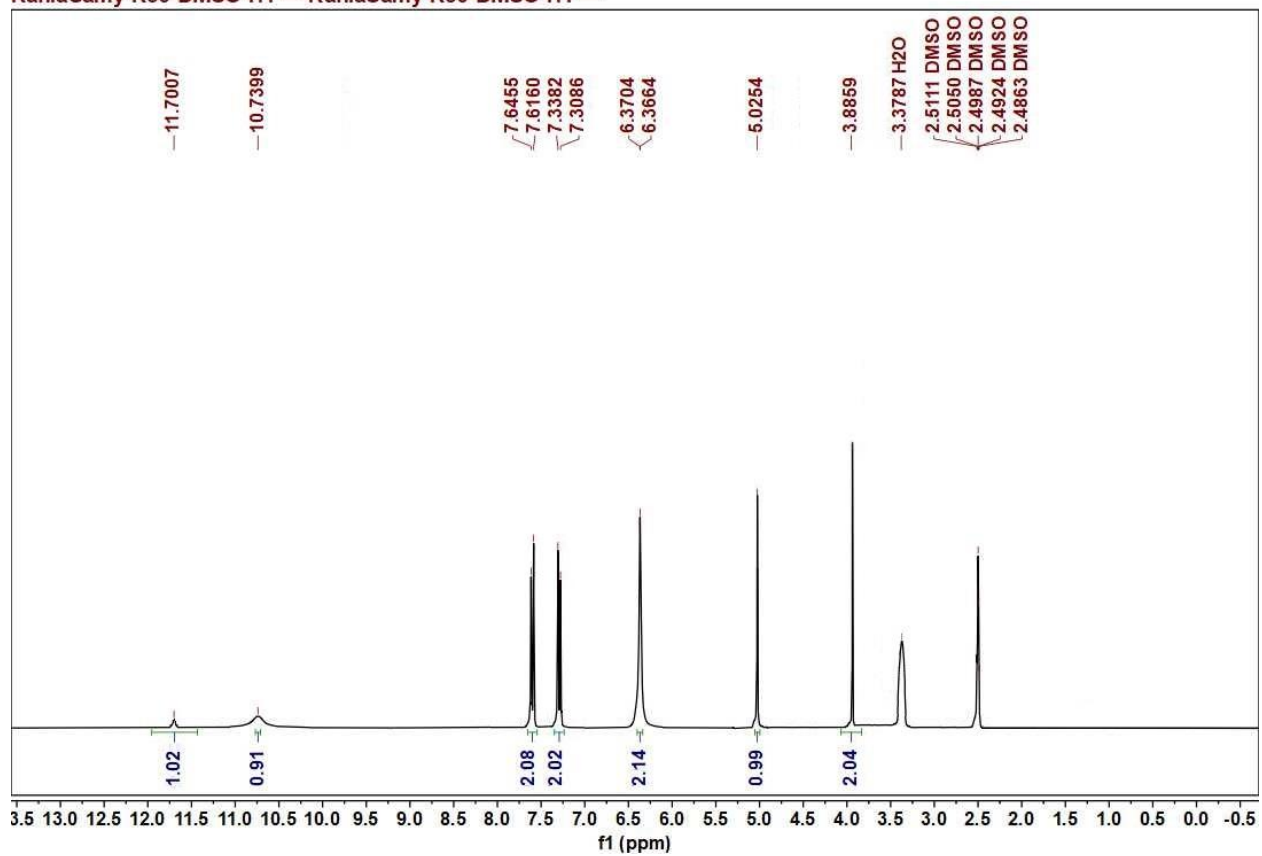
RaniaSamy-R35-DMSO-H1 — RaniaSamy-R35-DMSO-H1 —

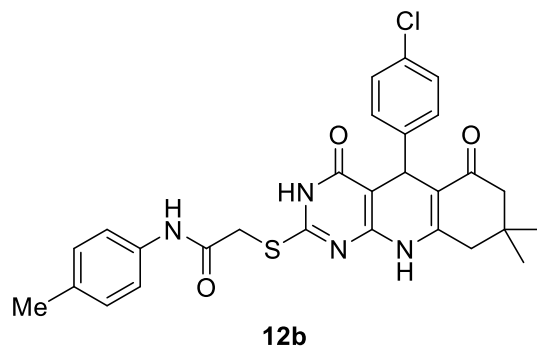
Figure 4. The <sup>1</sup>H NMR spectrum of compound **9c**



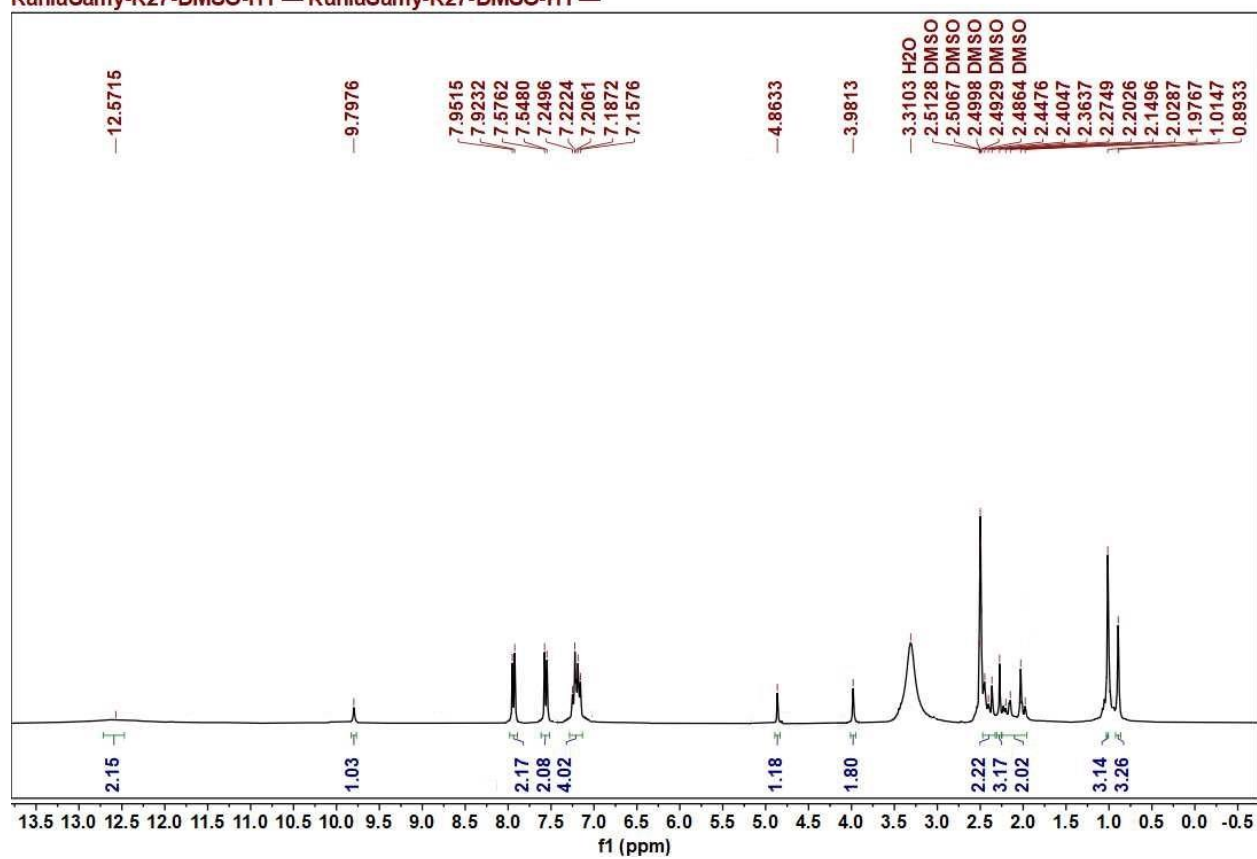
9d

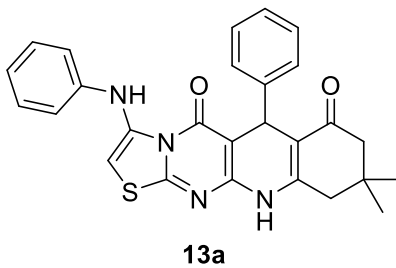
RaniaSamy-R36-DMSO-H1 — RaniaSamy-R36-DMSO-H1 —

Figure 5. The <sup>1</sup>H NMR spectrum of compound 9d

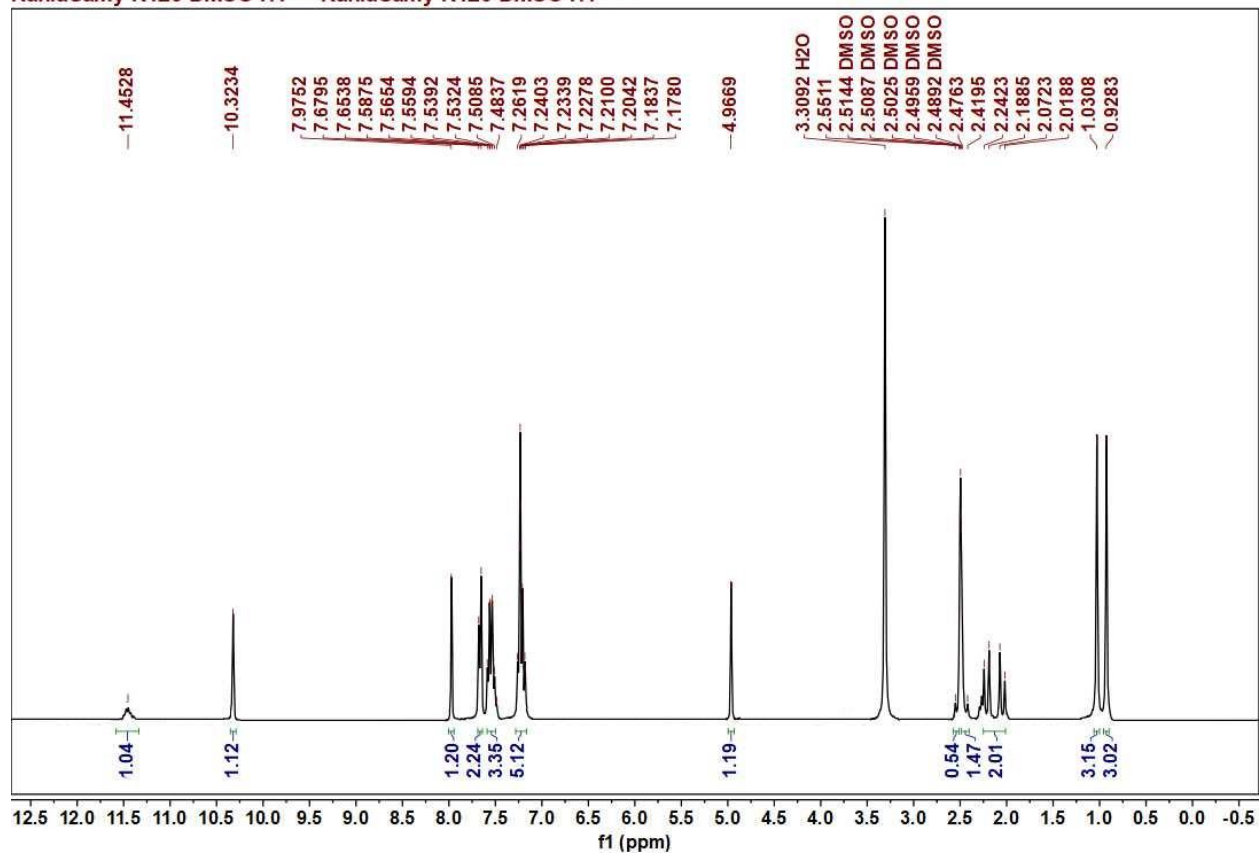


RaniaSamy-R27-DMSO-H1 — RaniaSamy-R27-DMSO-H1 —

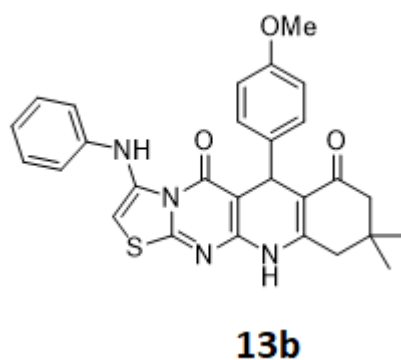
**Figure 6.** The <sup>1</sup>H NMR spectrum of compound **12b**



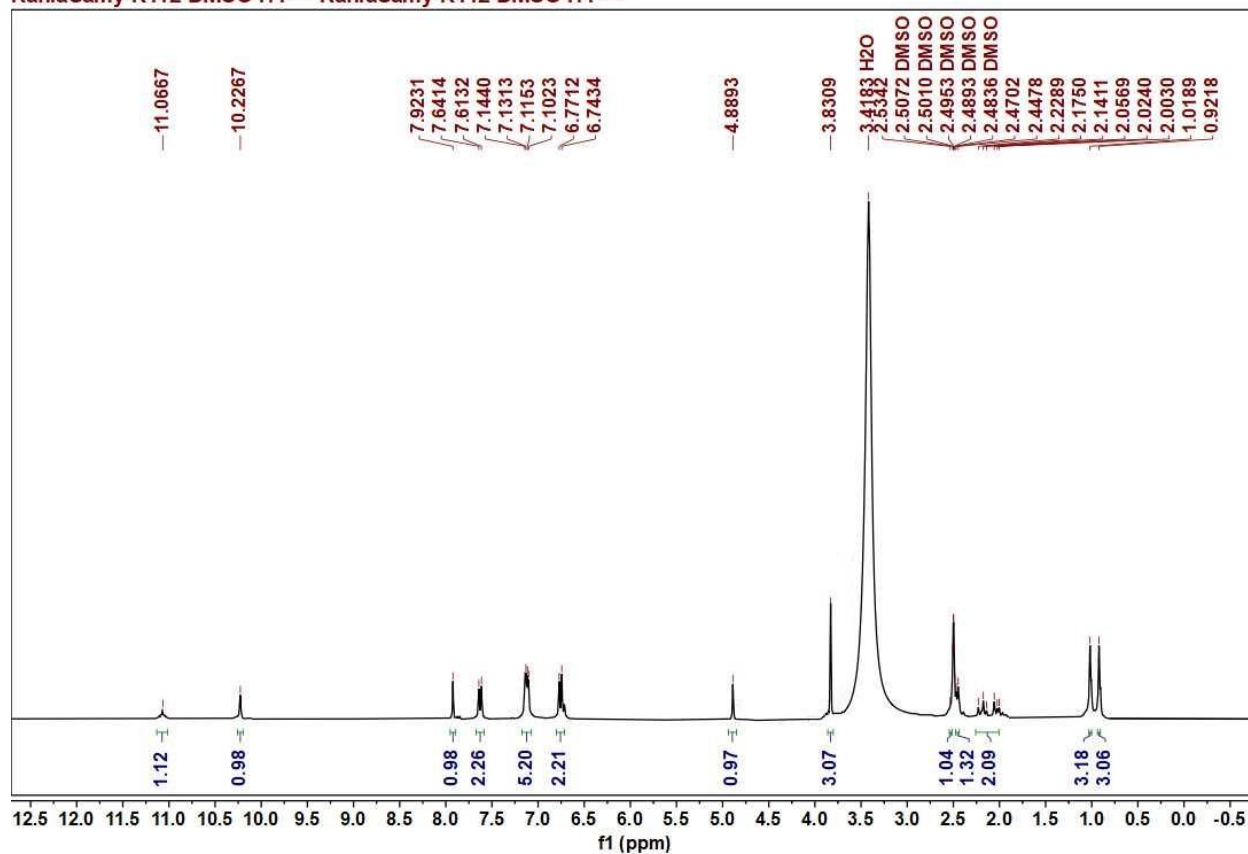
RaniaSamy-R120-DMSO-H1 — RaniaSamy-R120-DMSO-H1 —

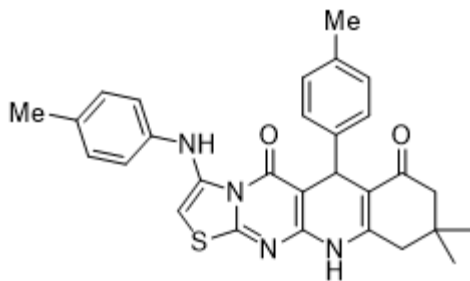
**Figure 7.** The <sup>1</sup>H NMR spectrum of compound **13a**



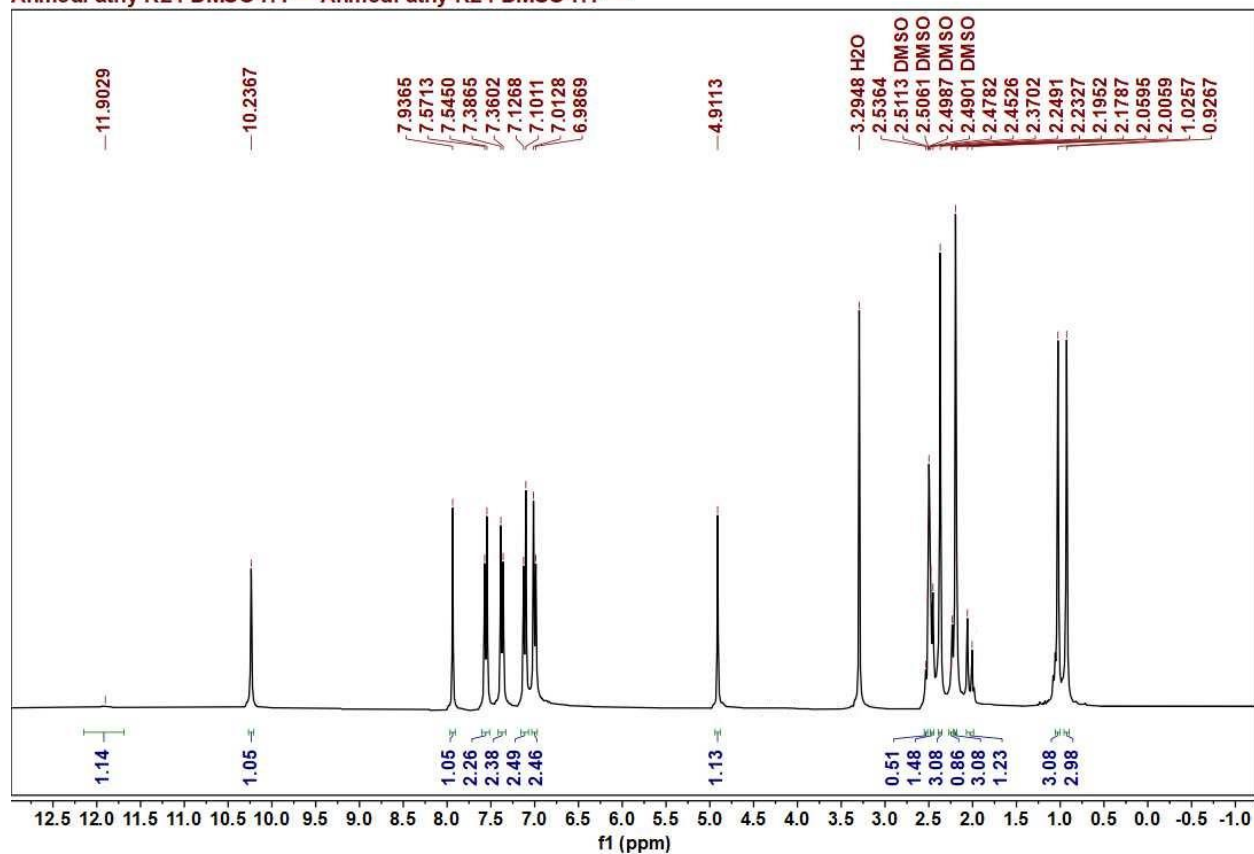


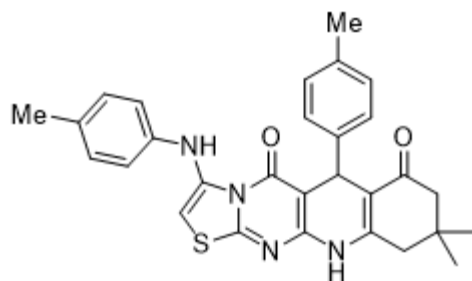
RaniaSamy-R112-DMSO-H1 — RaniaSamy-R112-DMSO-H1 —

**Figure 8.** The <sup>1</sup>H NMR spectrum of compound **13b**

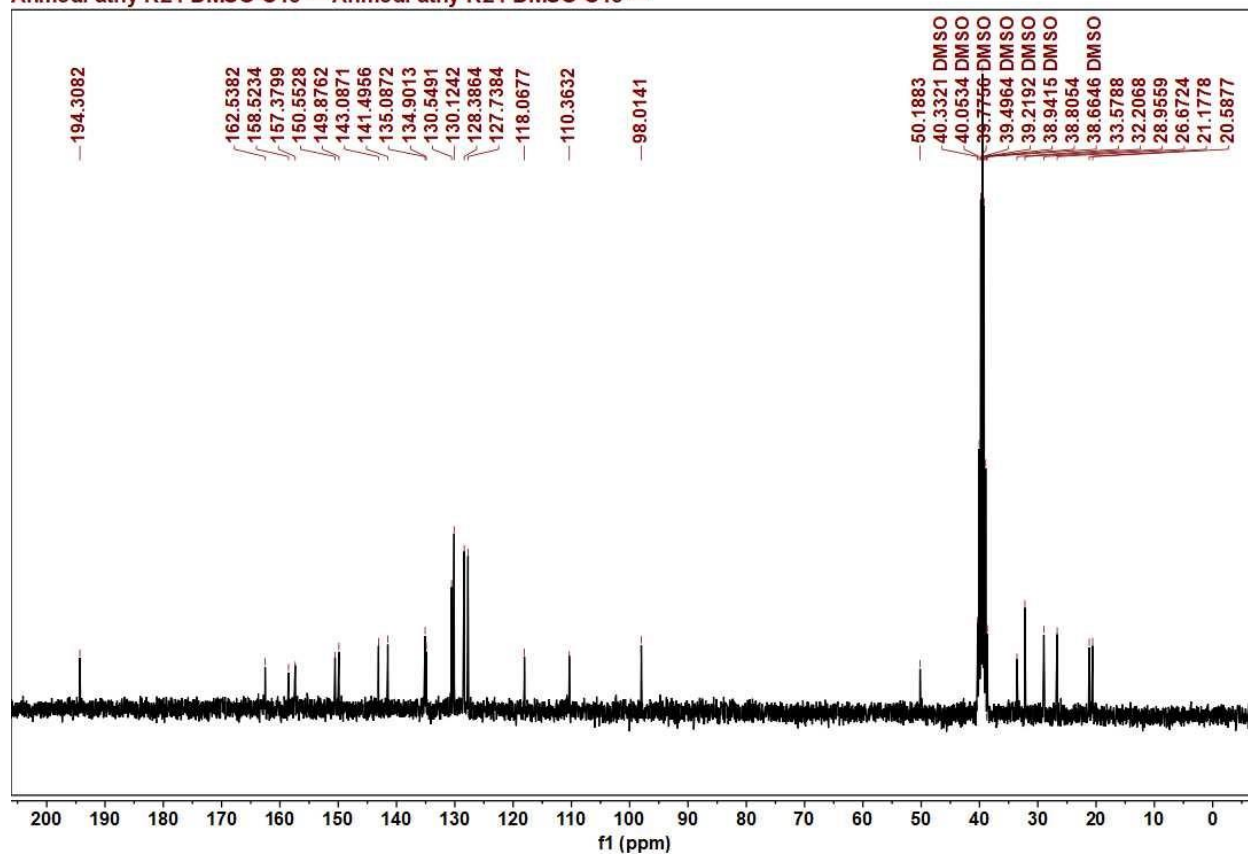
**13c**

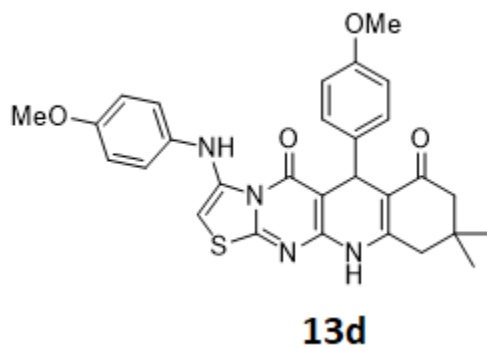
AhmedFathy-R24-DMSO-H1 — AhmedFathy-R24-DMSO-H1 —

**Figure 9.** The <sup>1</sup>H NMR spectrum of compound **13c**

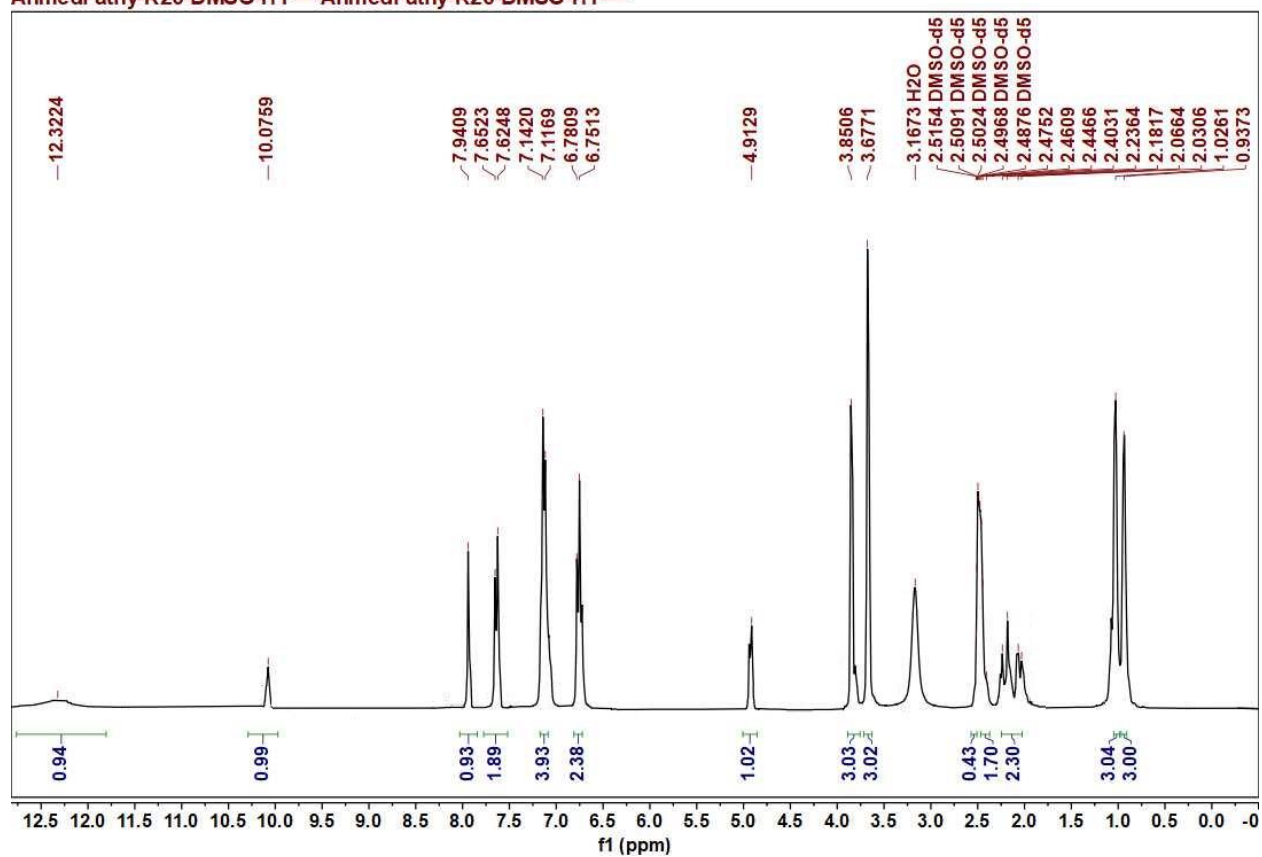
**13c**

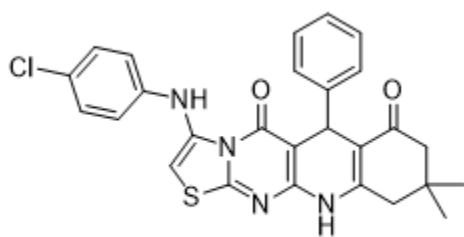
AhmedFathy-R24-DMSO-C13 — AhmedFathy-R24-DMSO-C13 —

**Figure 10.** The <sup>1</sup>H NMR spectrum of compound **13c**

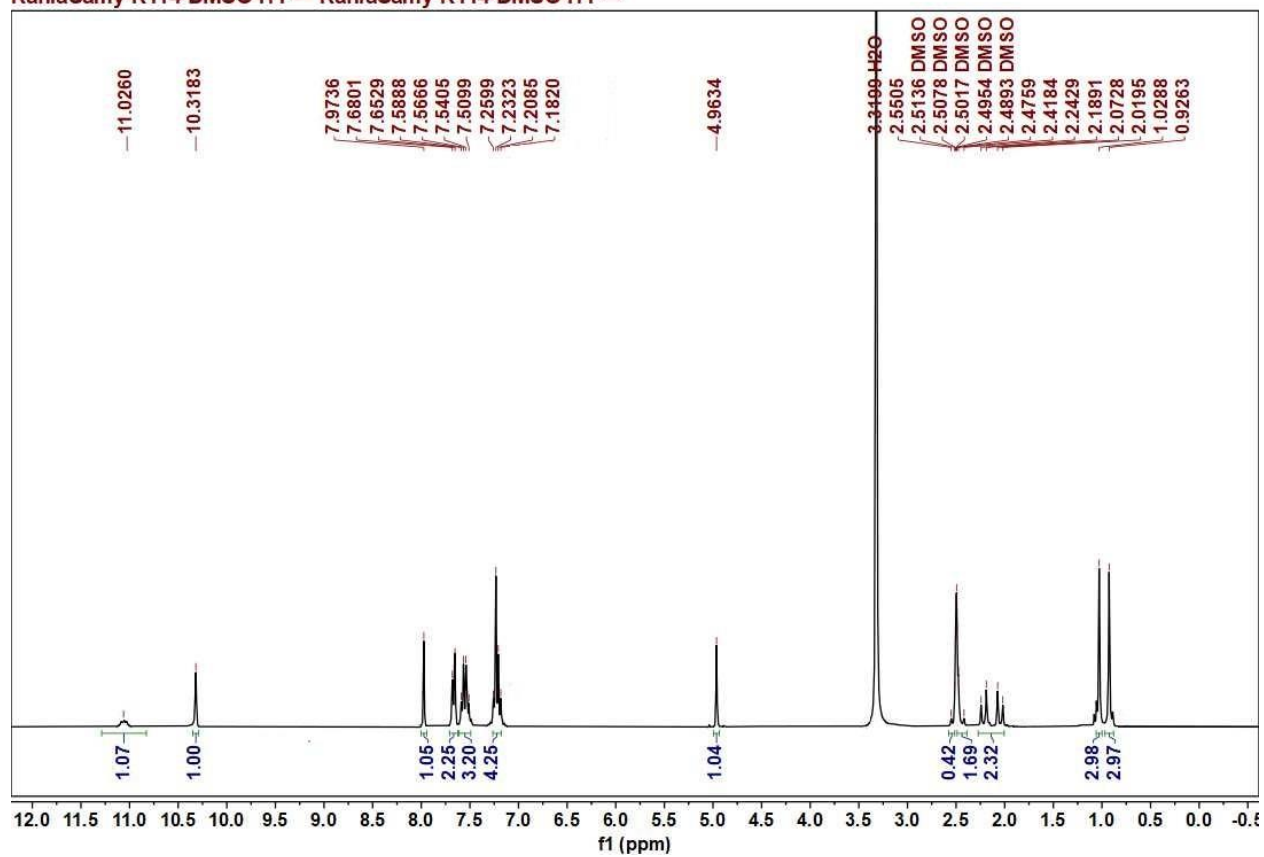


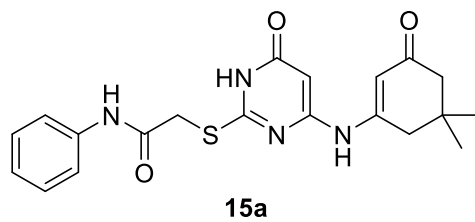
AhmedFathy-R26-DMSO-H1 — AhmedFathy-R26-DMSO-H1 —

**Figure 11.** The <sup>1</sup>H NMR spectrum of compound **13d**

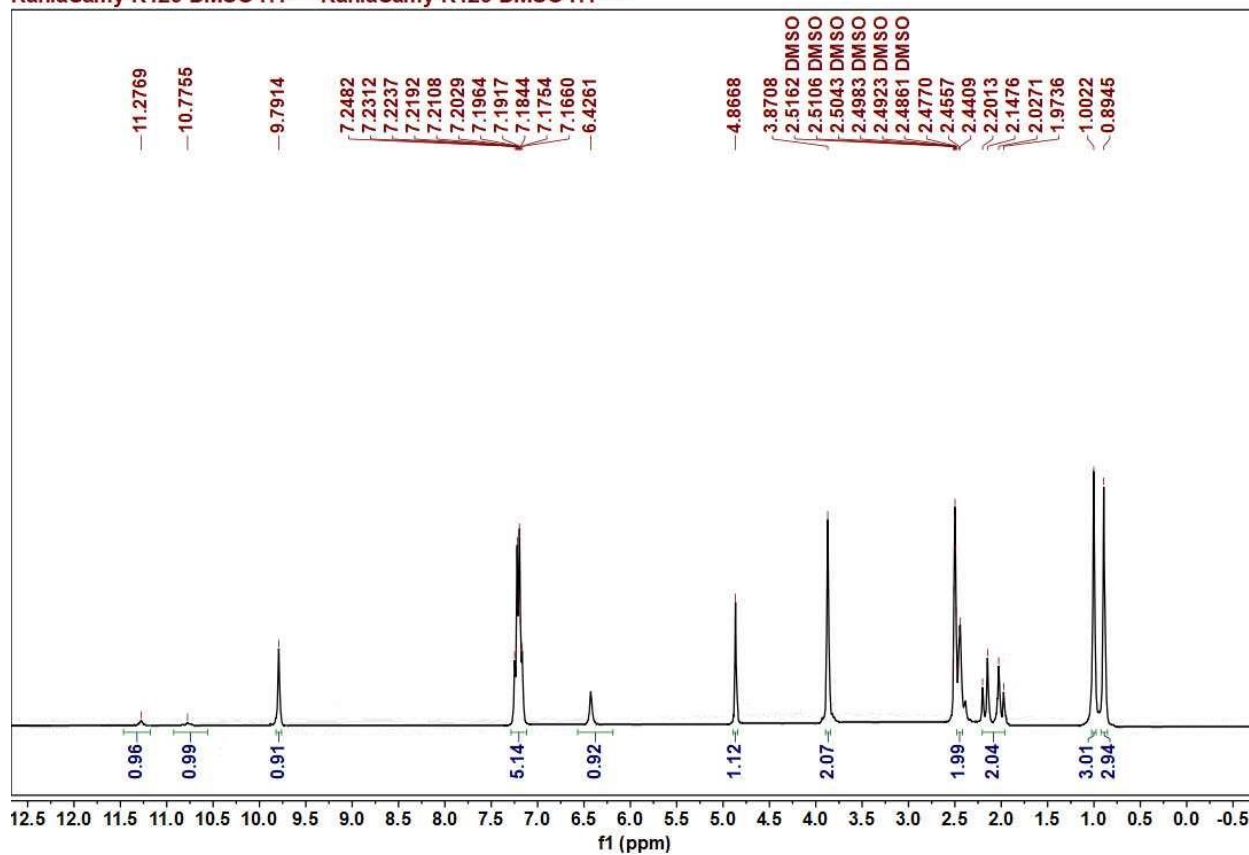
**13e**

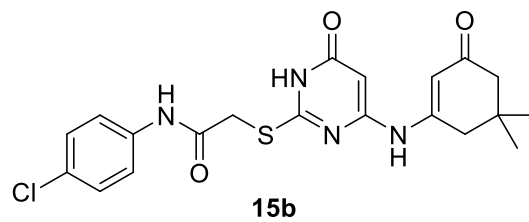
RaniaSamy-R114-DMSO-H1 — RaniaSamy-R114-DMSO-H1 —

**Figure 12.** The <sup>1</sup>H NMR spectrum of compound **13e**

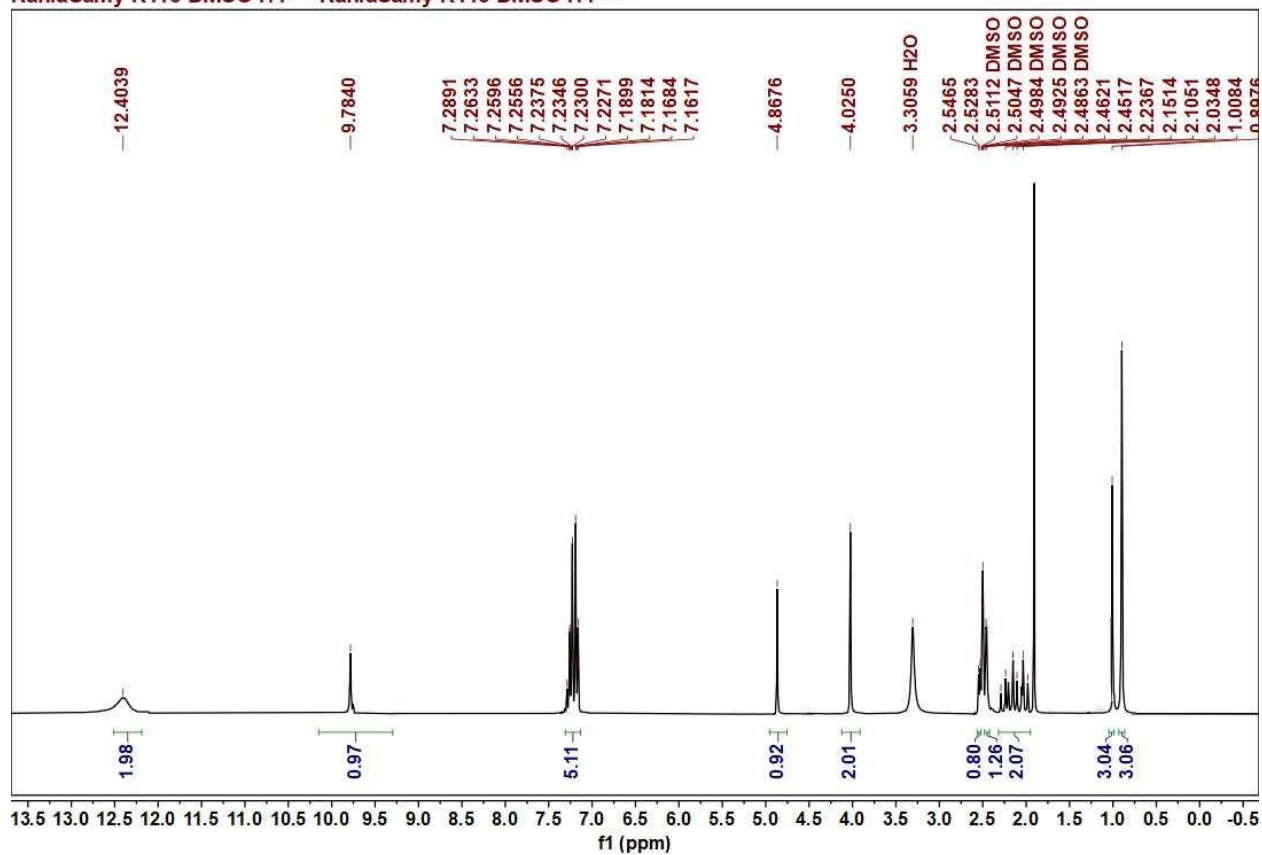


RaniaSamy-R129-DMSO-H1 — RaniaSamy-R129-DMSO-H1 —

Figure 13. The <sup>1</sup>H NMR spectrum of compound 15a



RaniaSamy-R113-DMSO-H1 — RaniaSamy-R113-DMSO-H1 —

**Figure 14.** The <sup>1</sup>H NMR spectrum of compound **15b**