

# Supplementary Material

## Design, synthesis, structural characterization of novel diazaphenothiazines with 1,2,3-triazole substituents as promising anticancer agents #

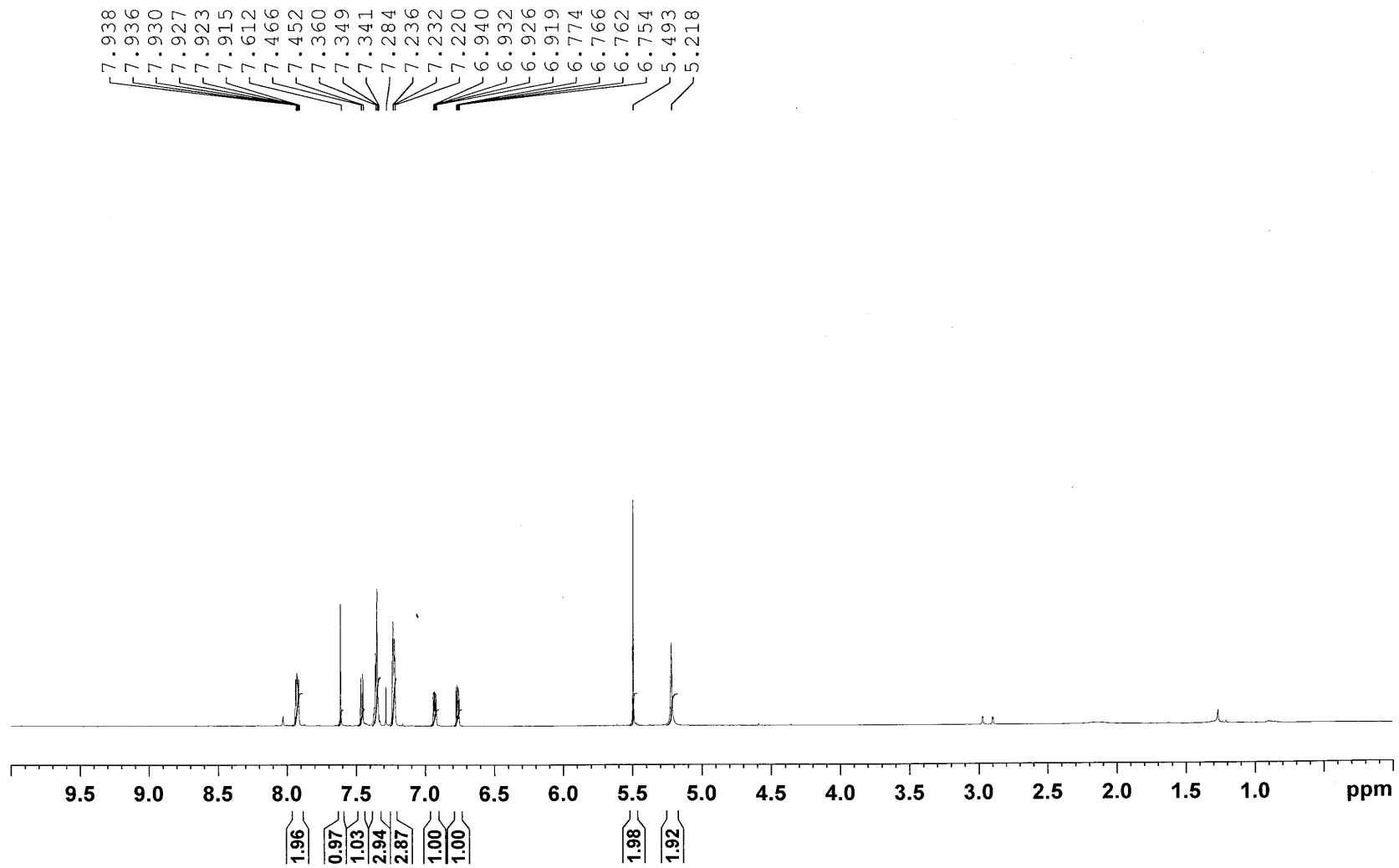
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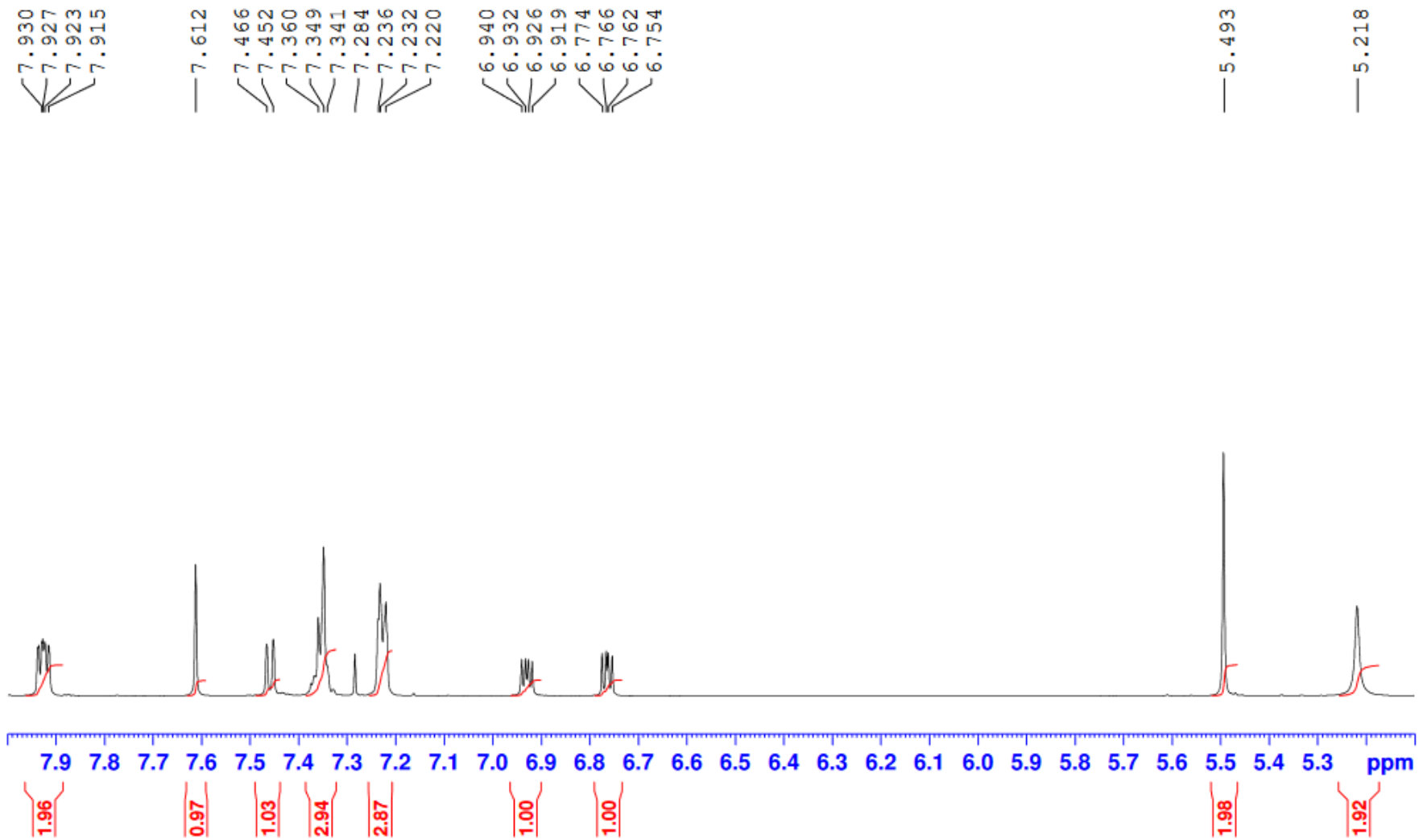
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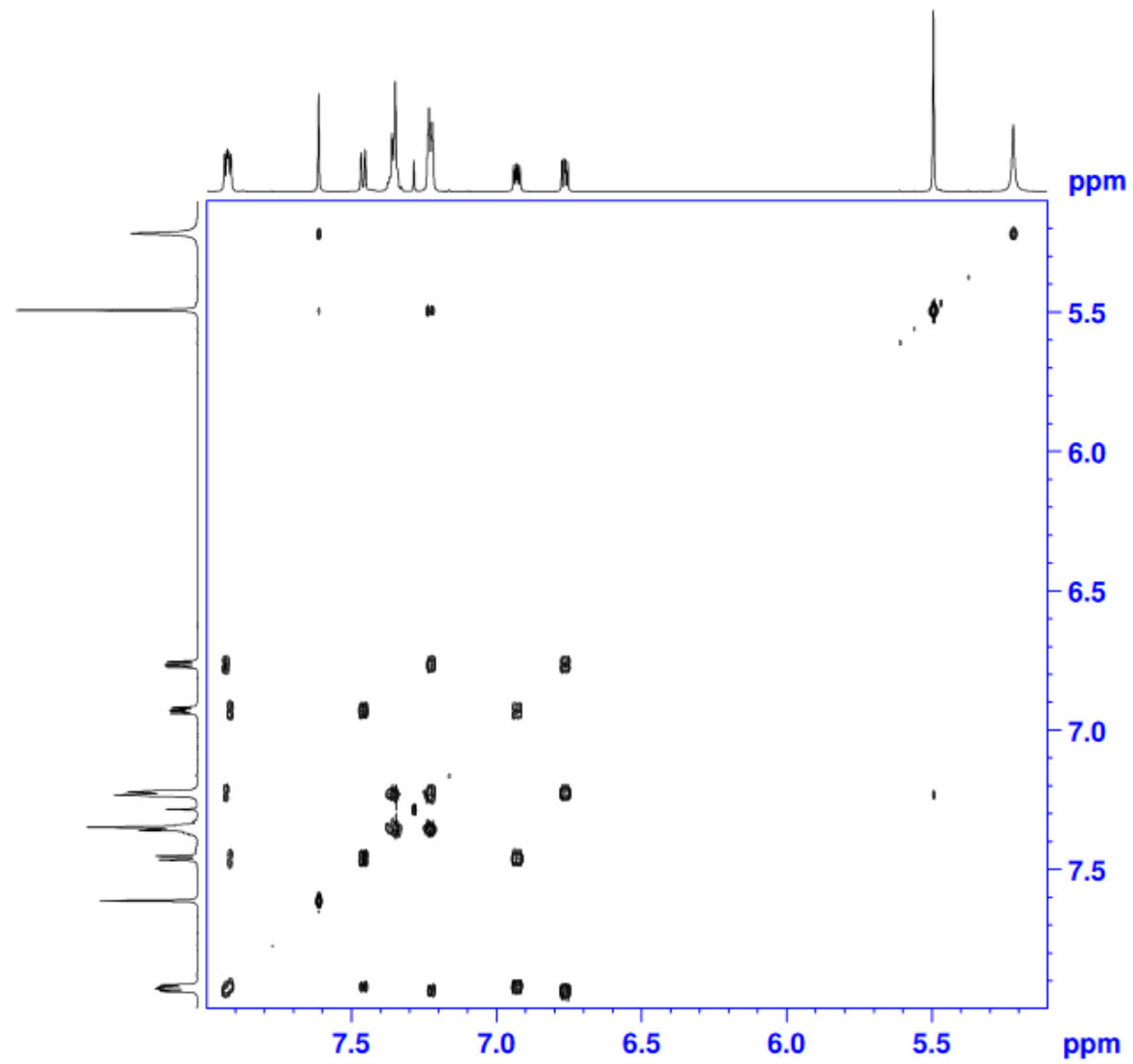
1. <sup>1</sup>H NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**)



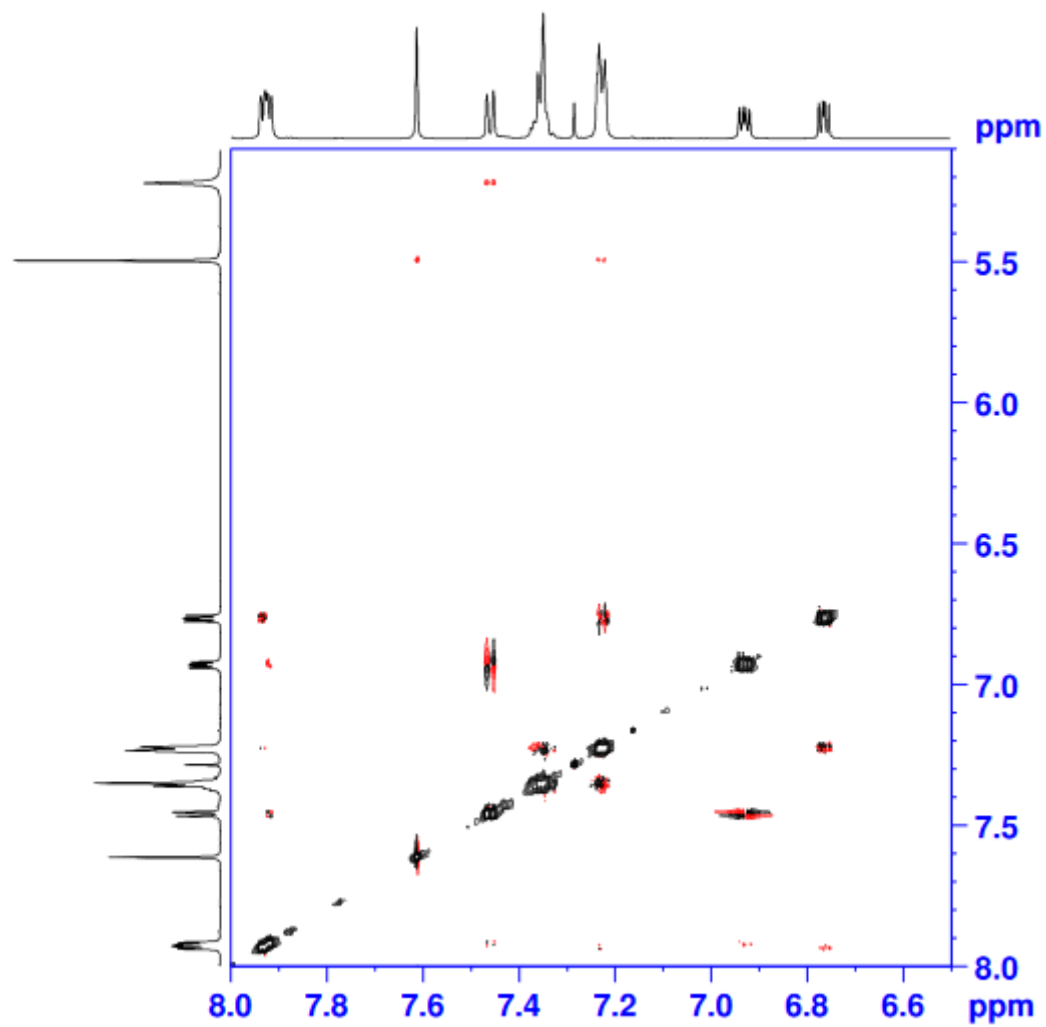
2.  $^1\text{H}$  NMR of the compound (**1d**) – aromatic part



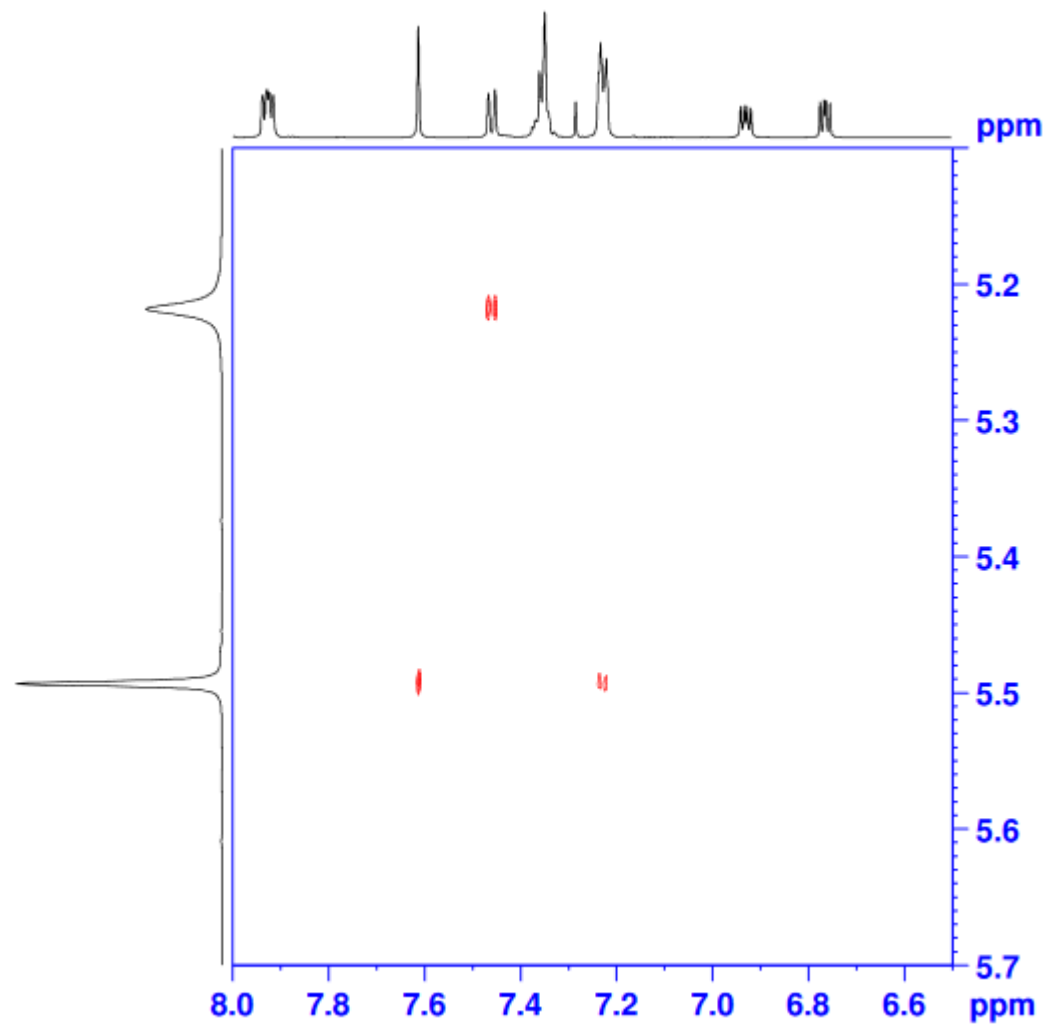
3. COSY NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**)



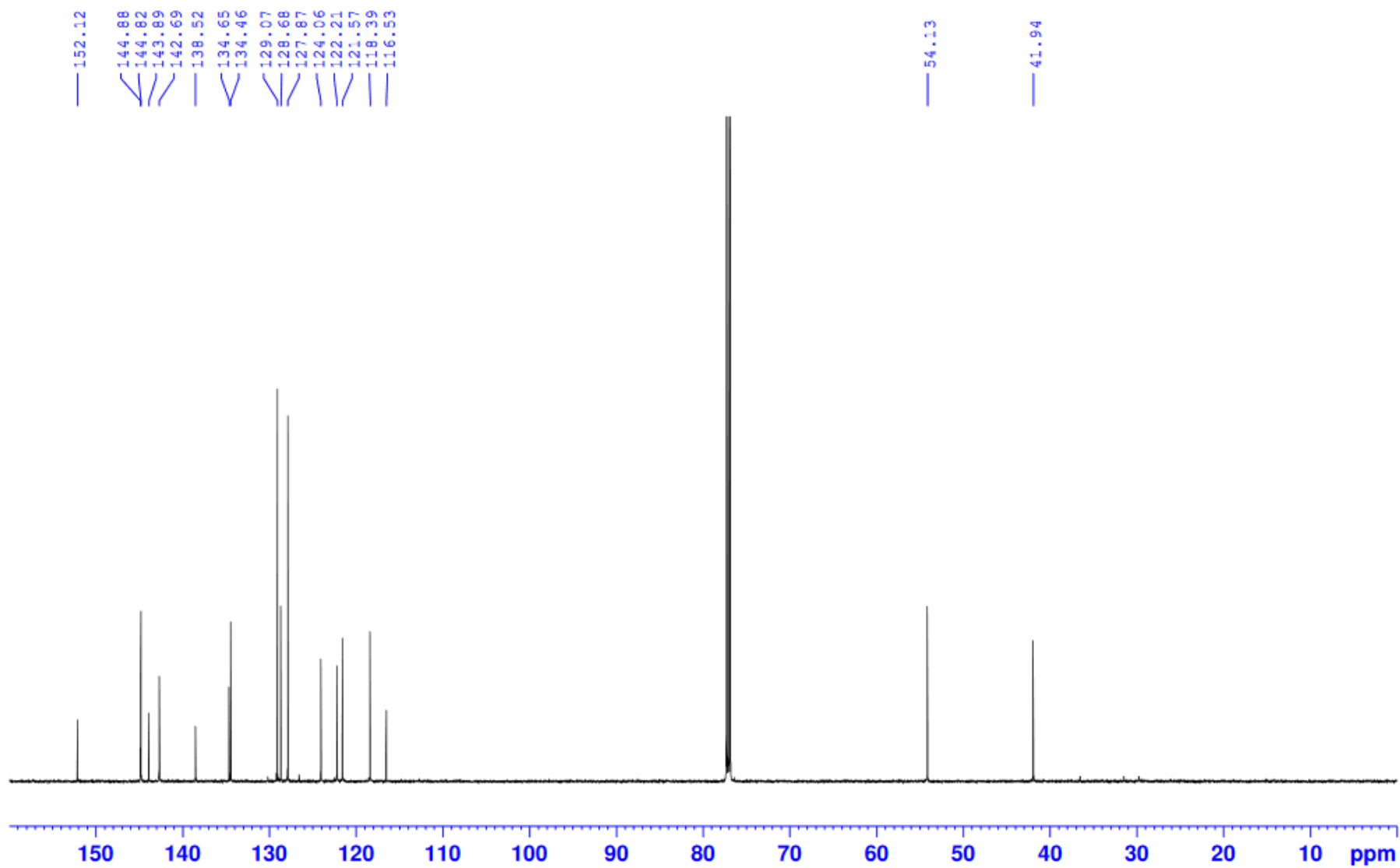
4. ROESY NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**)



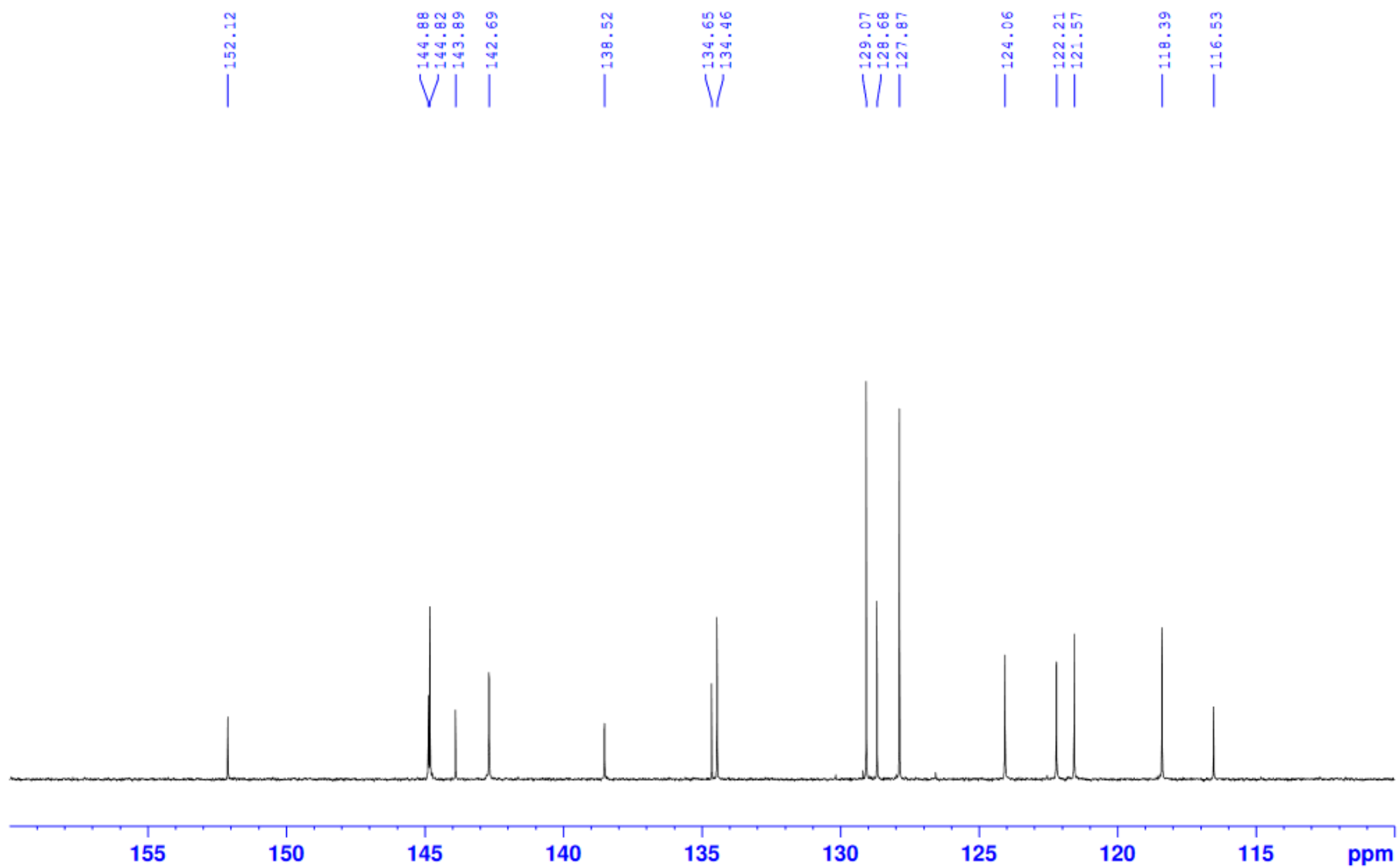
5. ROESY NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**) – aromatic part



6.  $^{13}\text{C}$  NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**)



7.  $^{13}\text{C}$  NMR of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**) – aromatic part





8. HR MS of 10-[(1-Benzyl-1H-1,2,3-triazol-4-yl)-methyl]-1,6-diazaphenothiazine (**1d**)

Compound Spectrum List Report

Analysis Info

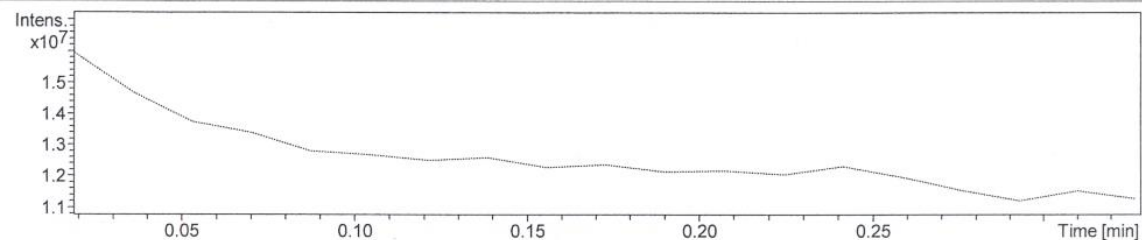
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 Comment

Acquisition Date 11/14/2017 12:55:17 PM

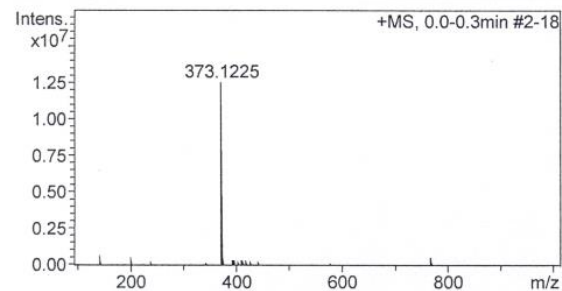
Operator KM  
 Instrument impact II 1825265.10082

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.3 Bar
Focus	Active	Set Capillary	4000 V	Set Dry Heater	240 °C
Scan Begin	100 m/z	Set End Plate Offset	-500 V	Set Dry Gas	4.0 l/min
Scan End	1000 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Source
		Set Corona	0 nA	Set APCI Heater	0 °C



+MS, 0.0-0.3min #2-18



#	m/z	Res.	S/N	I	I %	FWHM
1	373.1225	43747	113088.6	12532882	100.0	0.0085