

Supporting information

Micellar effects upon synthesis of 1,2-Dihydro-1-arylnaphtho[1,2-e]- [1,3]oxazine-3-ones in water at room temperature

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FT-IR and ¹H NMR spectra of synthesized compounds:

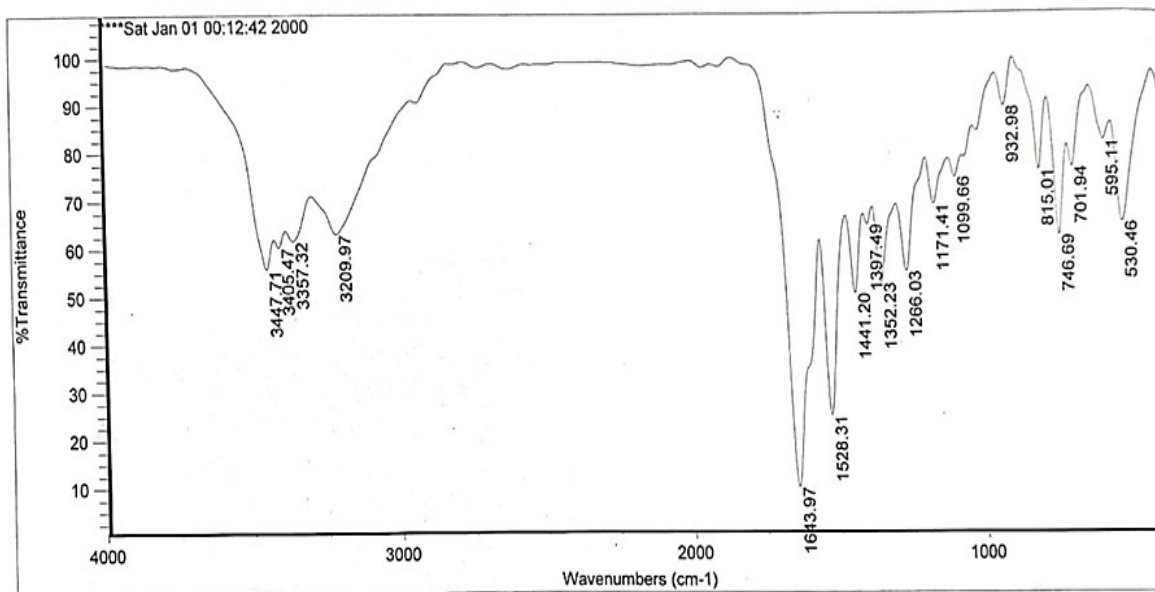


Figure 1: FT-IR spectrum of 1-Phenyl-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4a**) in KBr.

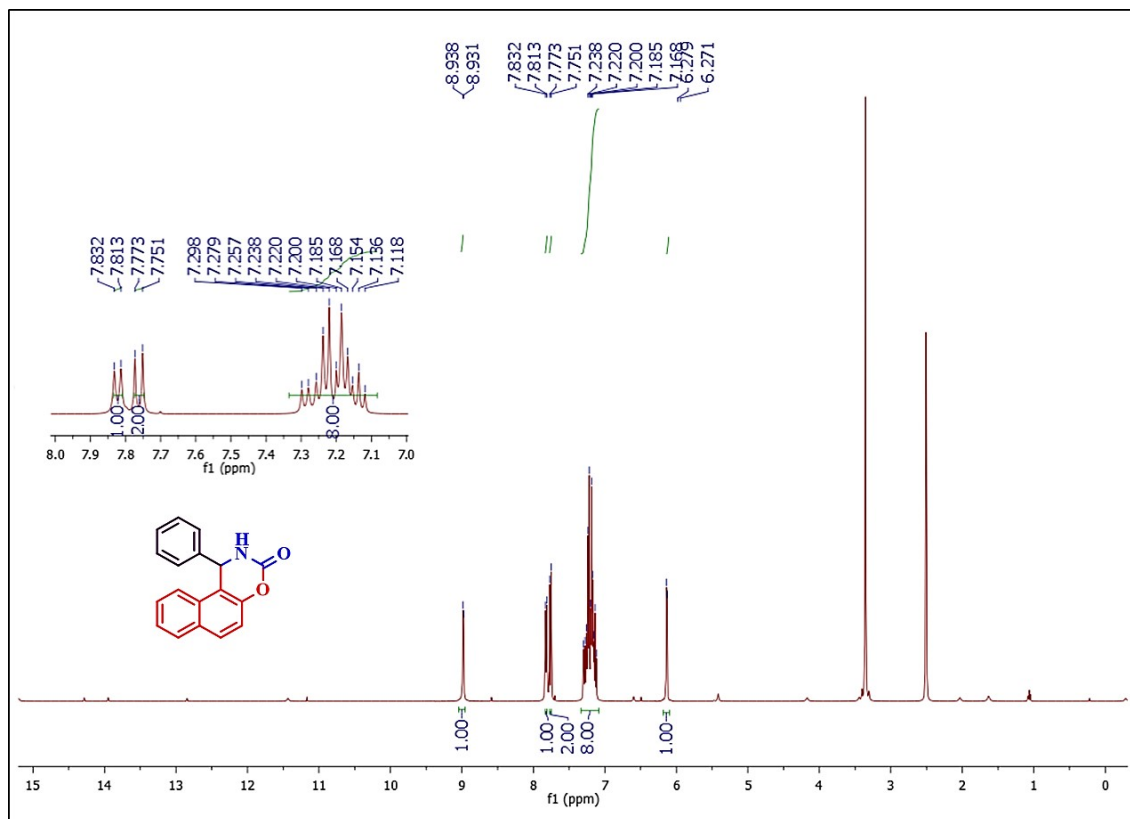


Figure 2: ¹H NMR spectrum (400 MHz) of 1-Phenyl-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4a**) in DMSO.

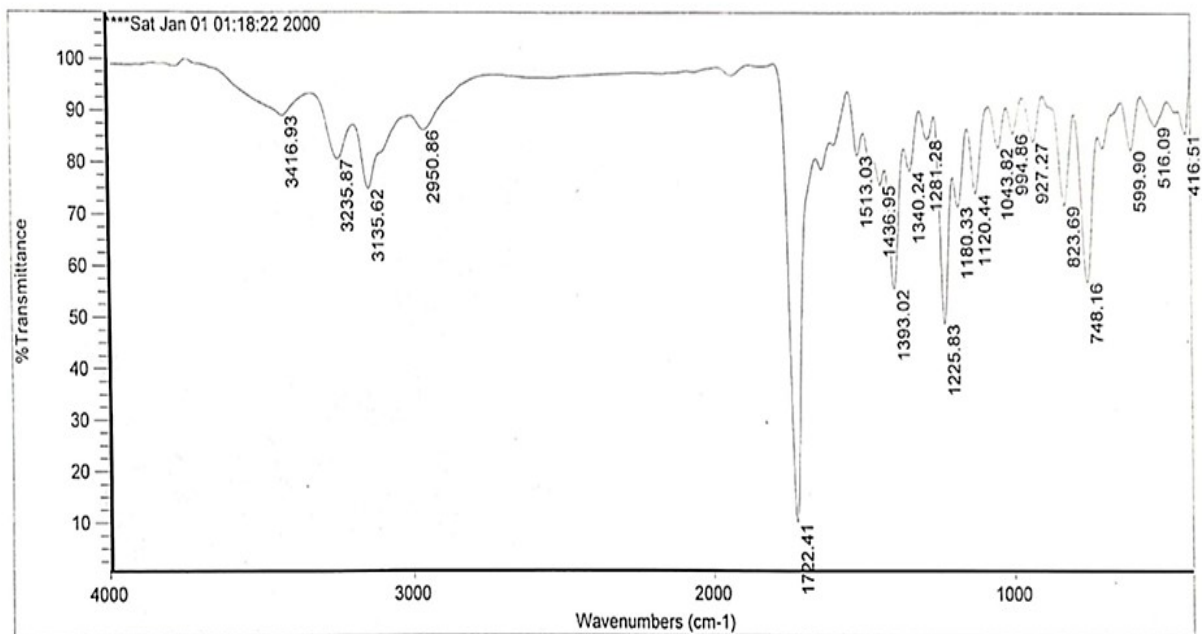


Figure 3: FT-IR spectrum 1-(4-Chlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4b**) in KBr.

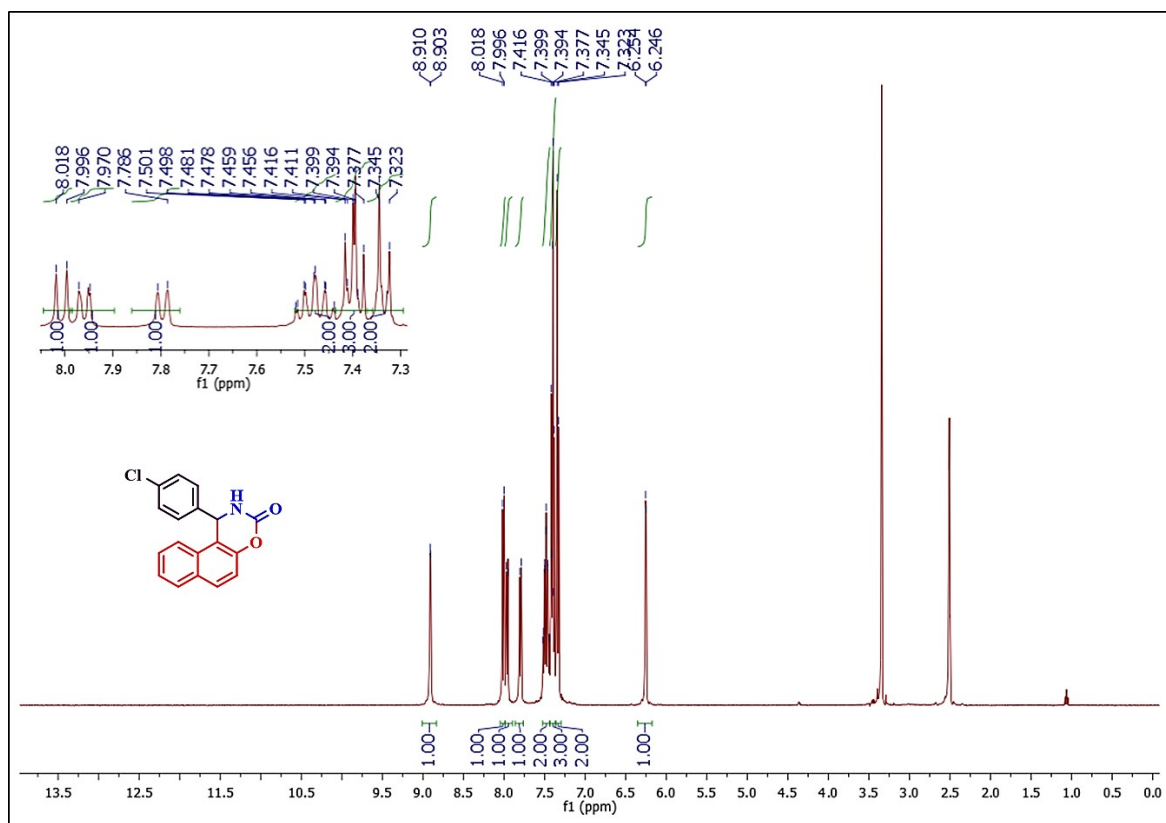


Figure 4: ^1H NMR spectrum (400 MHz) of 1-(4-Chlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4b**) in DMSO.

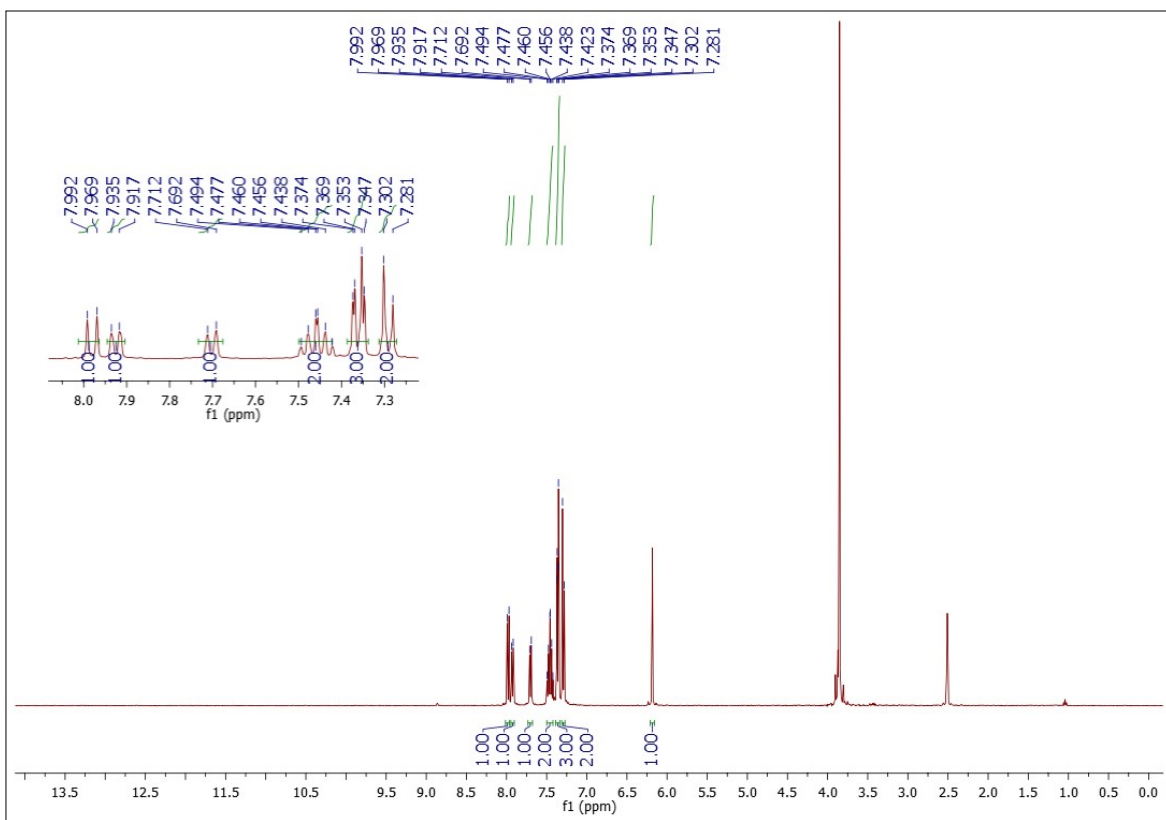


Figure 5: ^1H NMR spectrum (400 MHz) of 1-(4-Chlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4b**) in D_2O .

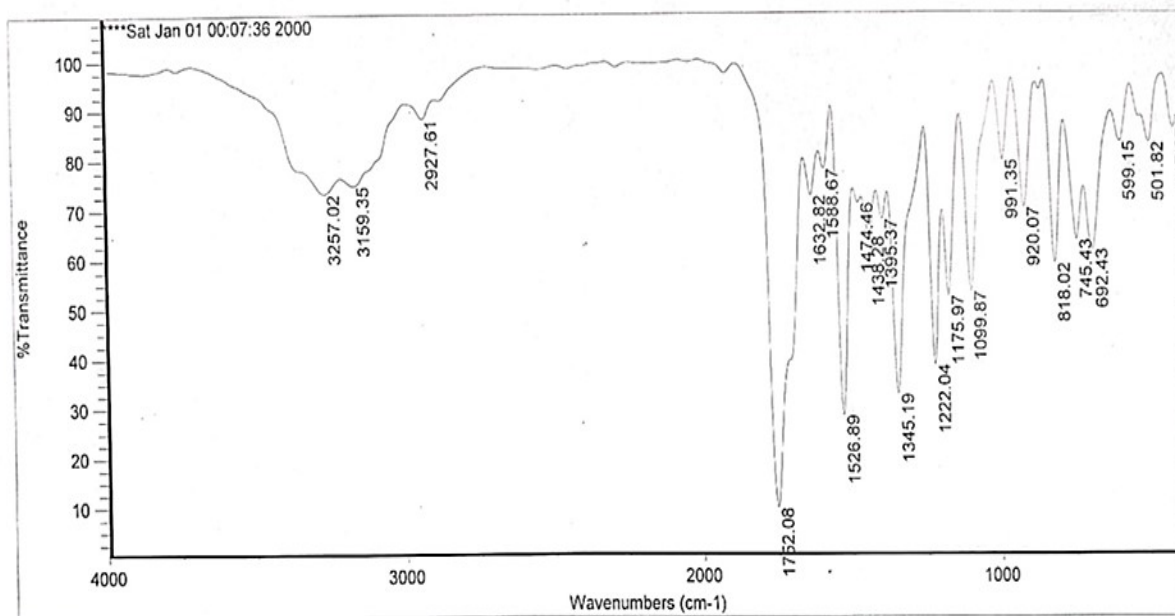


Figure 6: FT-IR spectrum of 1-(2-Nitrophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4c**) in KBr.

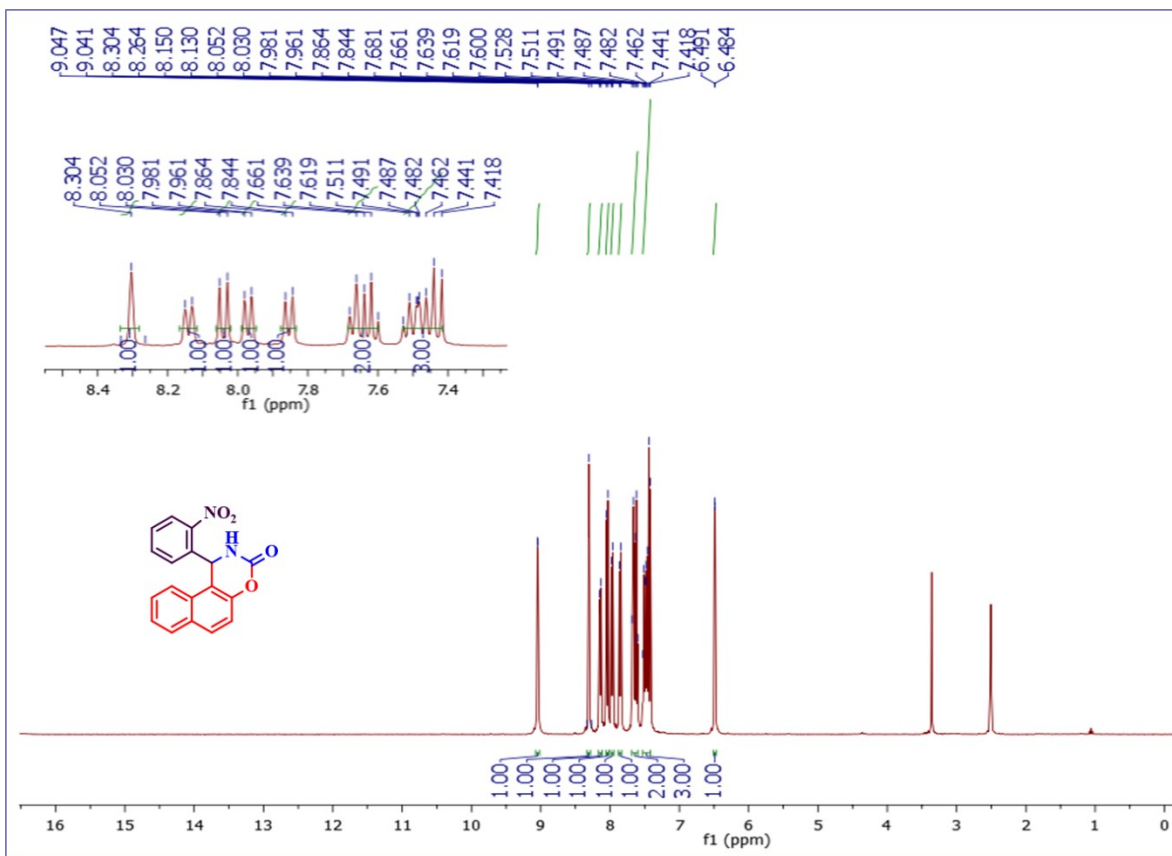


Figure 7: ^1H NMR spectrum (400 MHz) of 1-(2-Nitrophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4c**) in DMSO.

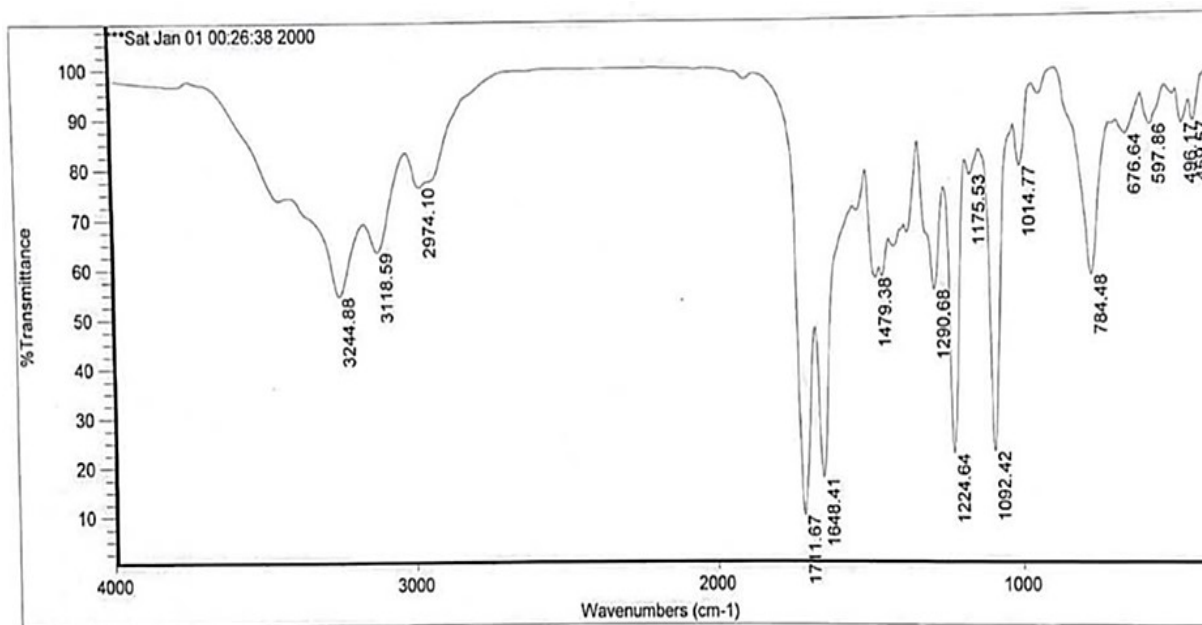


Figure 8: FT-IR spectrum of 1-(3-Chlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4d**) in KBr.

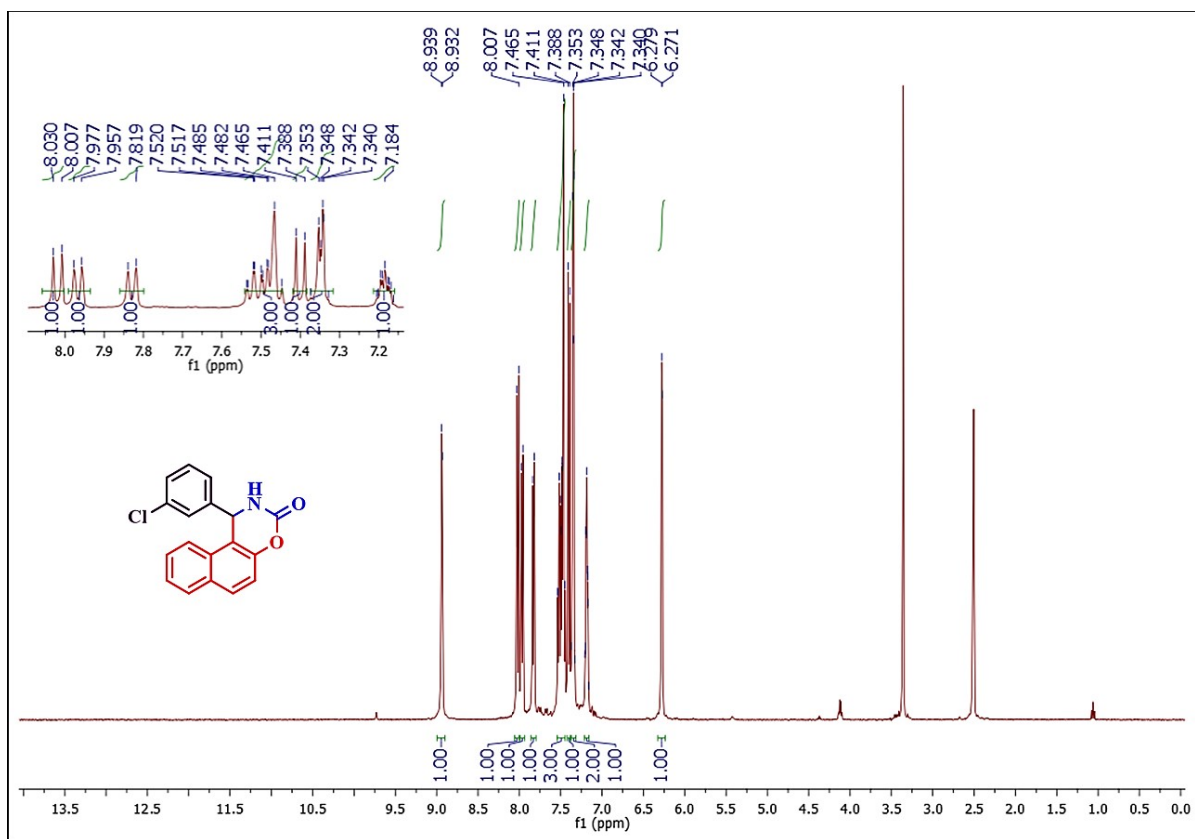


Figure 9: ¹H NMR spectrum (400 MHz) of 1-(3-chlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (4d) in DMSO.

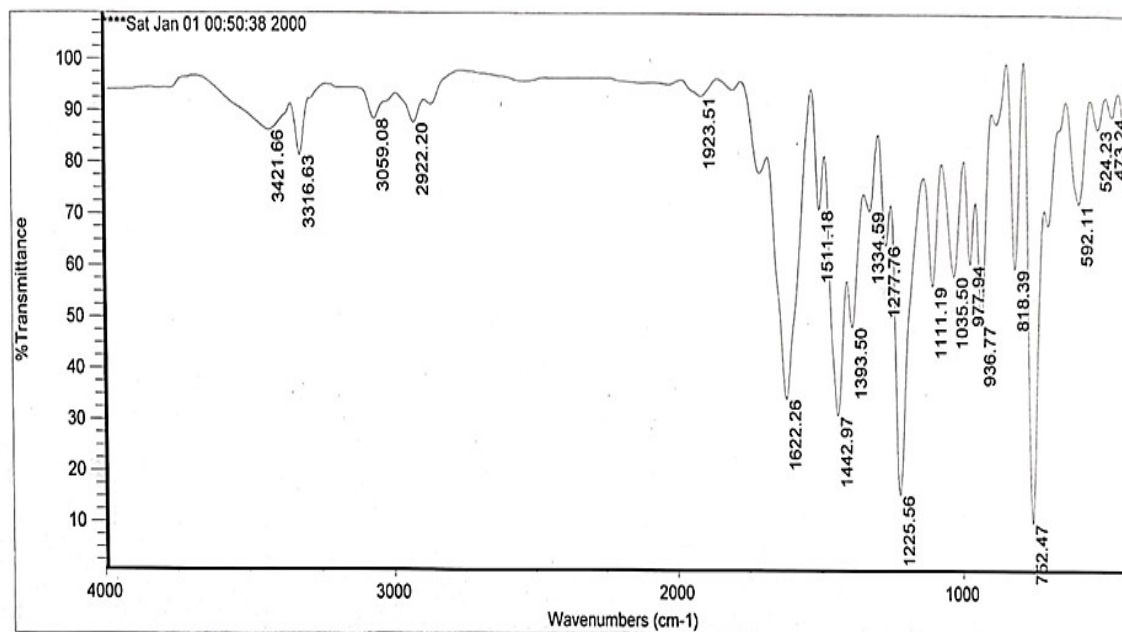


Figure 10: FT-IR spectrum of 1-(3-nitrophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (4e) in KBr.

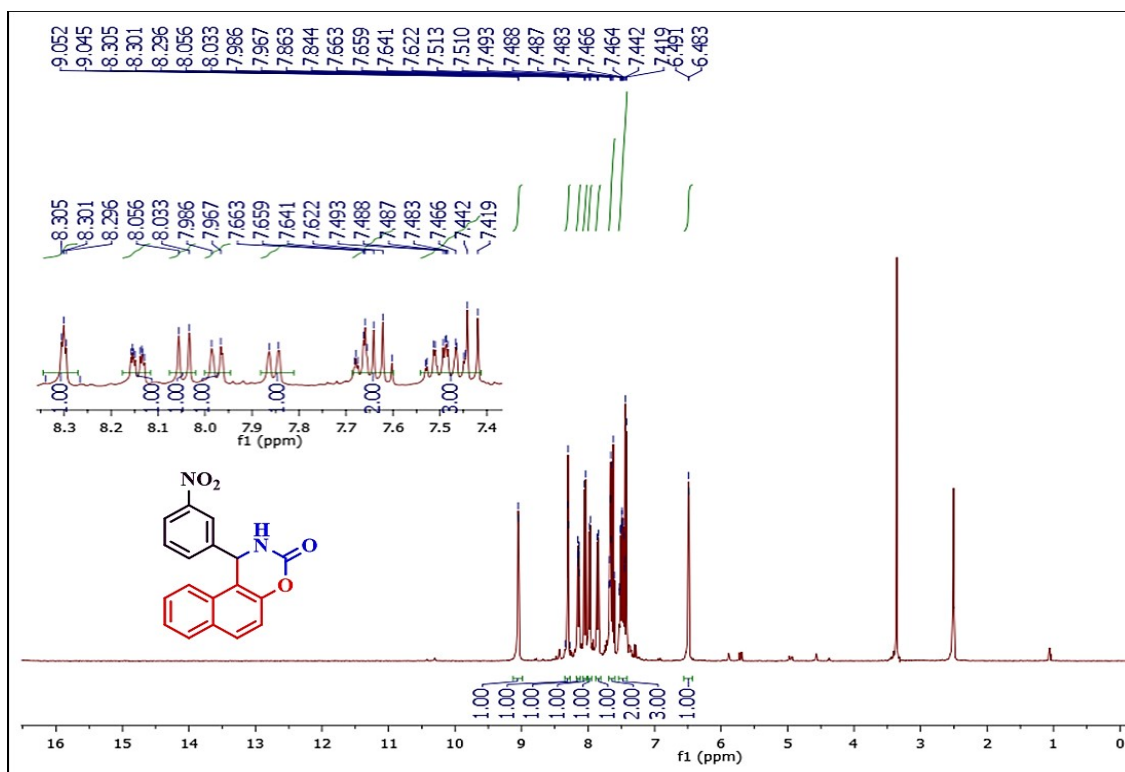


Figure 11: ¹H NMR spectrum (400 MHz) of 1-(3-nitrophenyl)-1,2-dihydronaphtho[1,2-e][1,3]oxazin-3-one (**4e**) in DMSO.

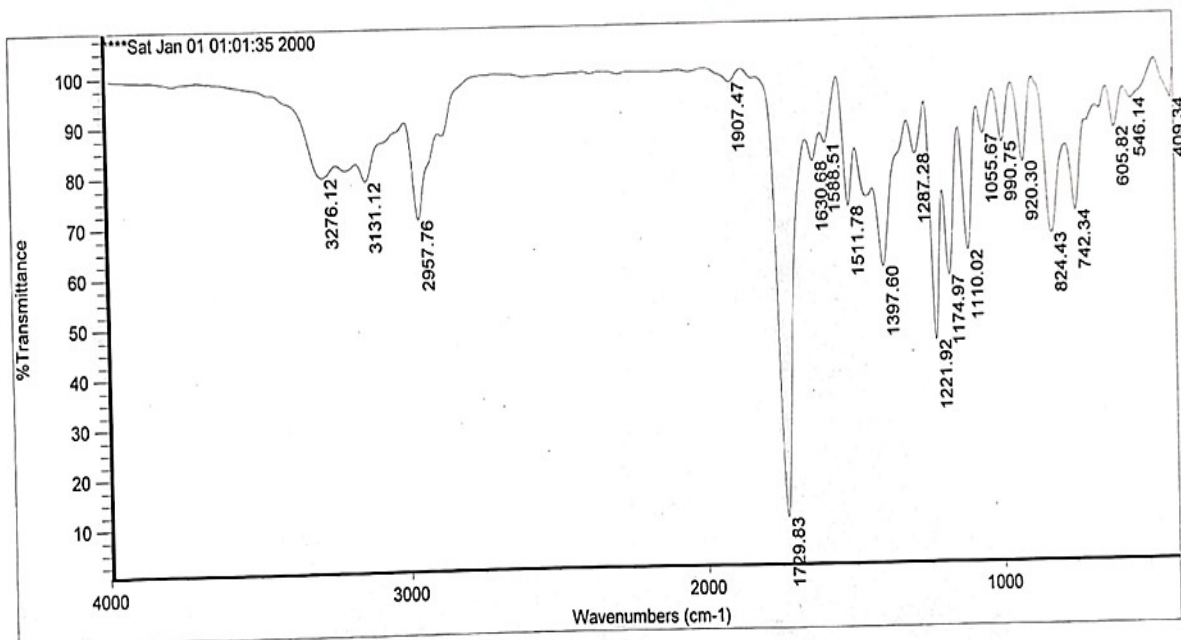


Figure 12: FT-IR spectrum of 1-(4-Iso-propylphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4f**) in KBr.

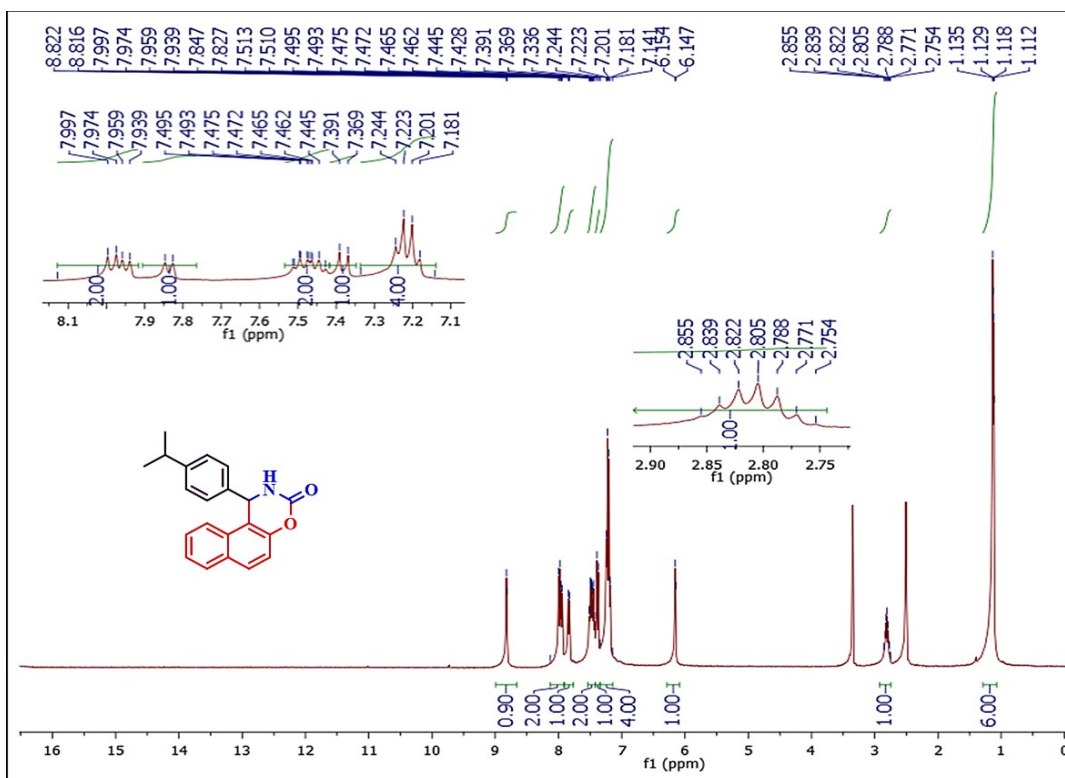


Figure 13: ^1H NMR spectrum (400 MHz) of 1-(4-Iso-propylphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4f**) in DMSO.

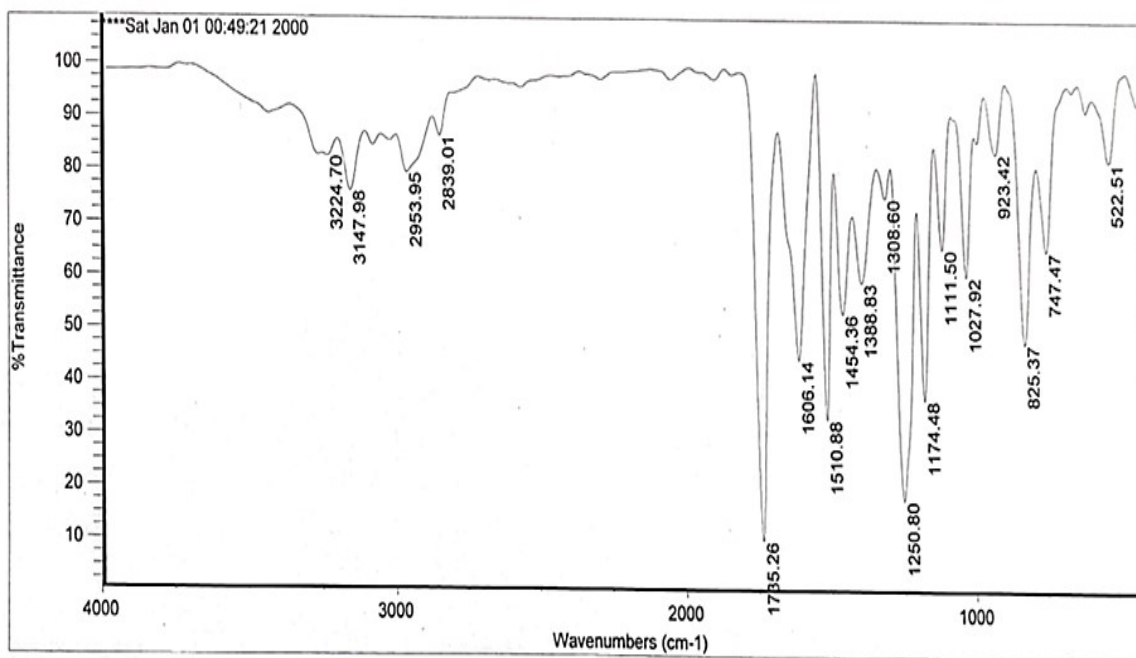


Figure 14: FT-IR spectrum of 1-(4-Methoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4g**) in KBr.

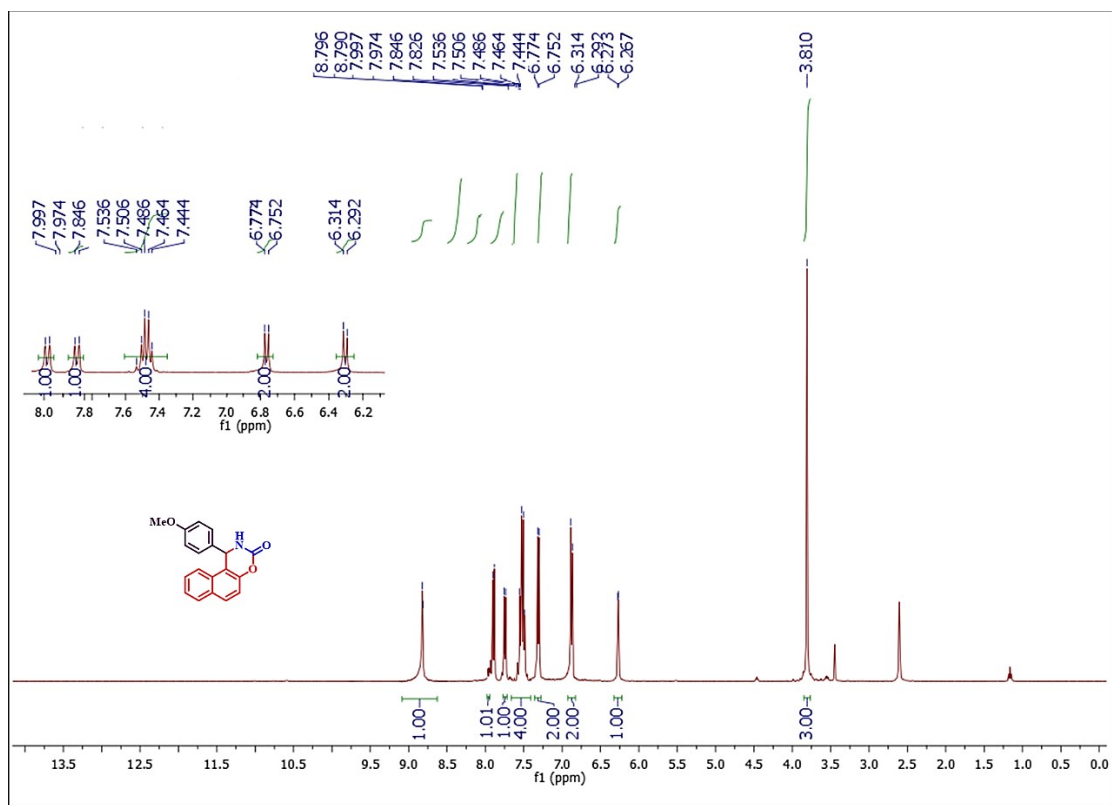


Figure 15: ¹H NMR spectrum (400 MHz) of 1-(4-Methoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4g**) in DMSO.

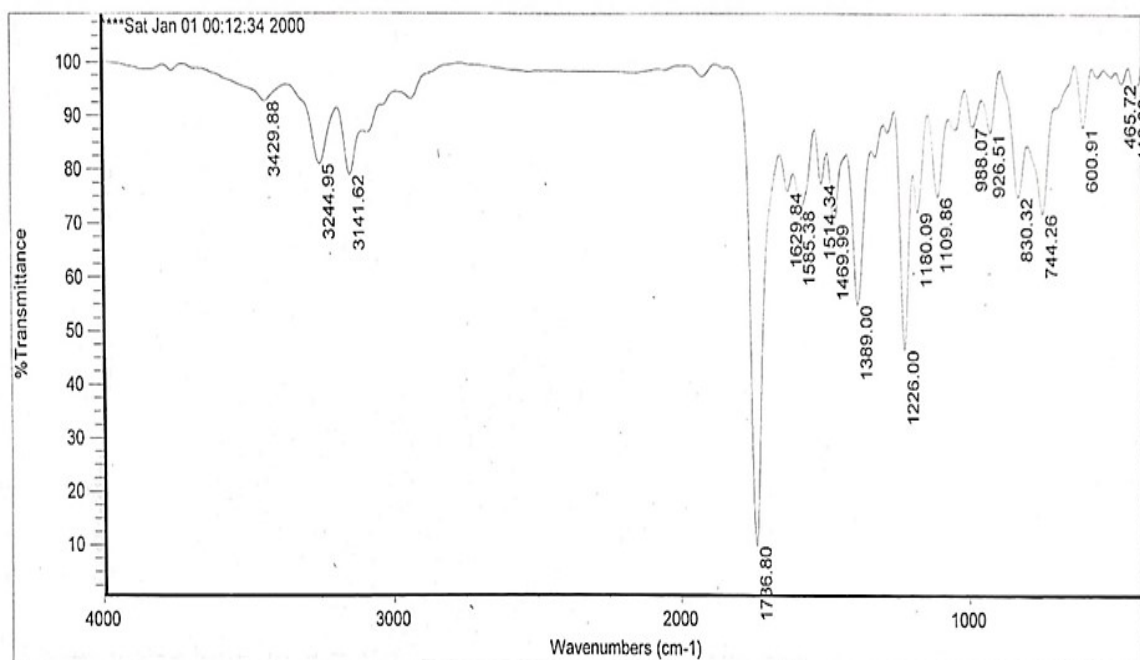


Figure 16: FT-IR spectrum of 1-(2,4-Dichlorophenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4h**) in KBr.

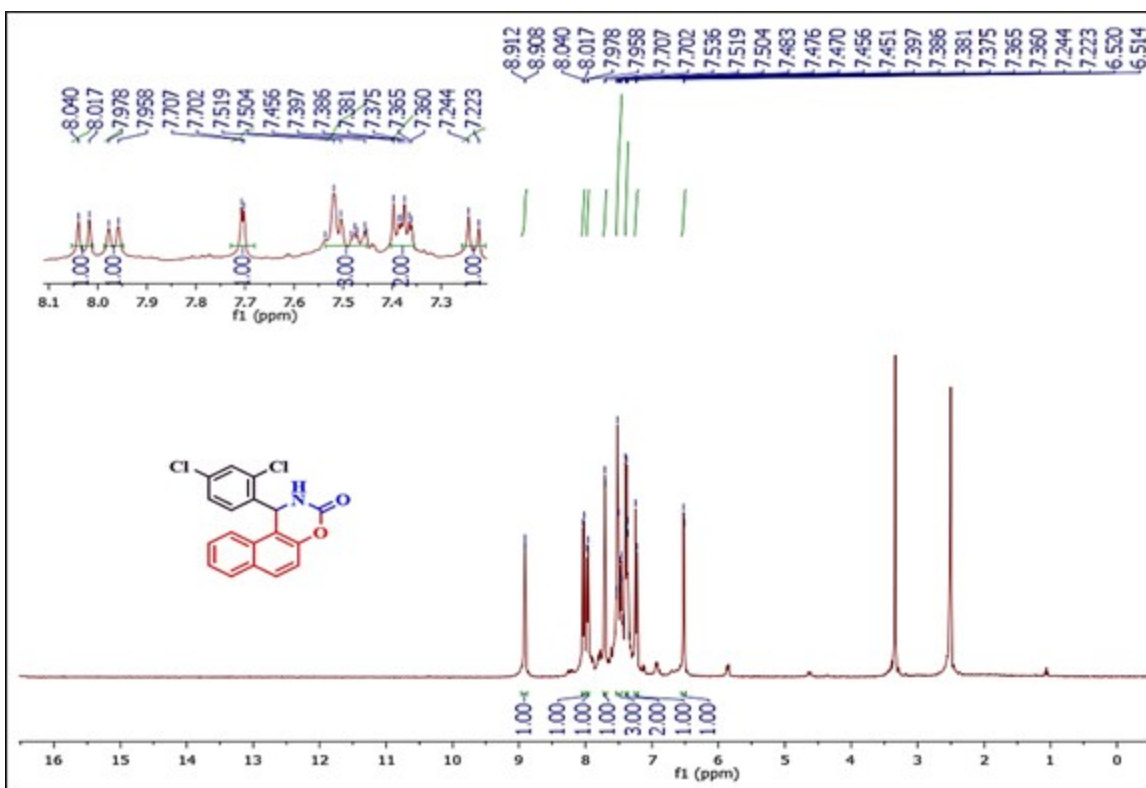


Figure 17: ¹H NMR spectrum (400 MHz) of 1-(2,4-Dichlorophenyl)-1,2-dihydronaphtho[1,2-e][1,3]oxazin-3-one (4h) in DMSO.

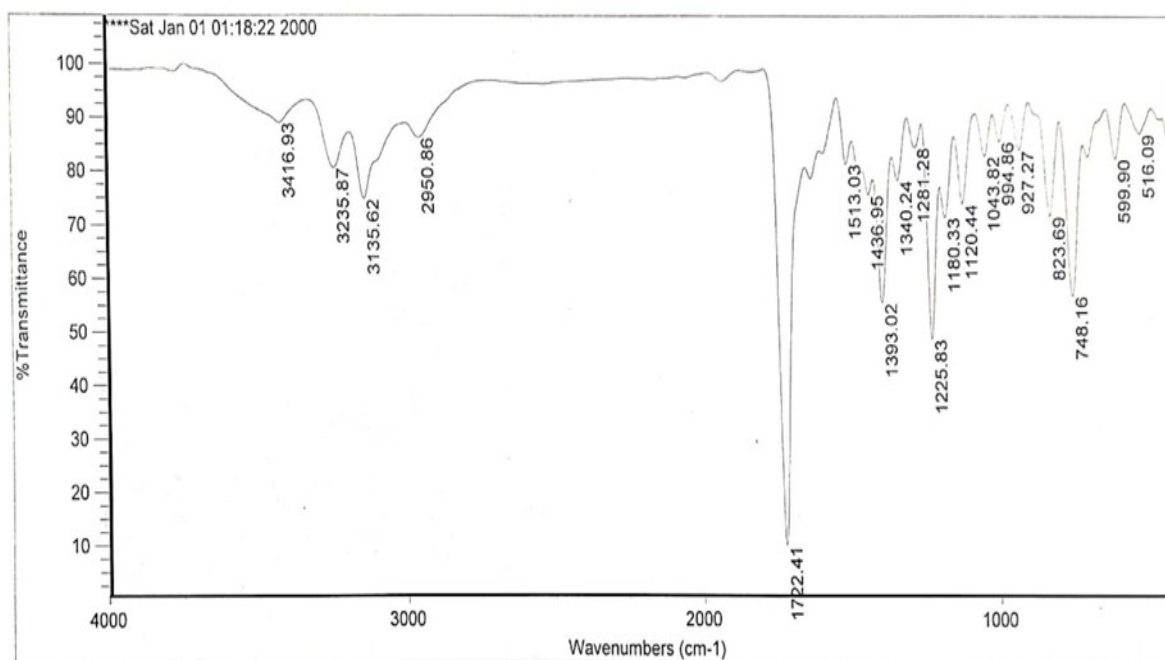


Figure 18: FT-IR spectrum of 1-(2-Chlorophenyl)-1,2-dihydronaphtho [1,2-e][1,3] oxazin-3-one (4i) in KBr.

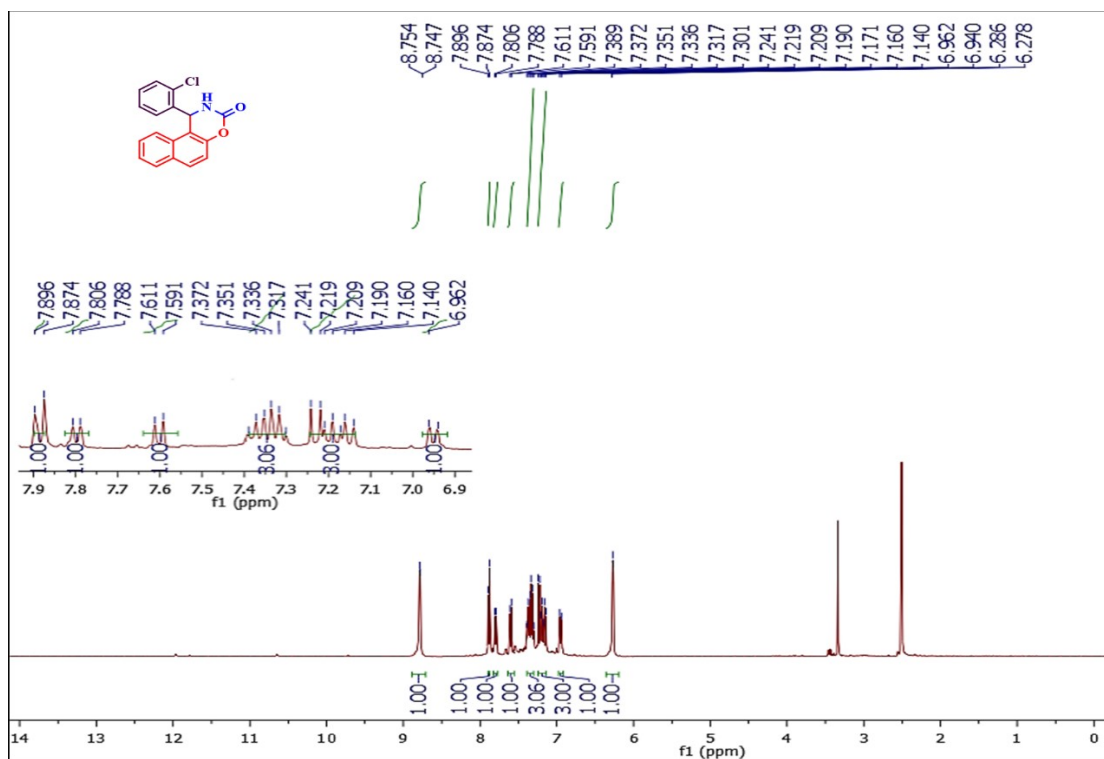


Figure 19: ¹H NMR spectrum (400 MHz) of 1-(2-Chlorophenyl)-1,2-dihydronaphtho [1,2-e][1,3] oxazin-3-one (**4i**) in DMSO.

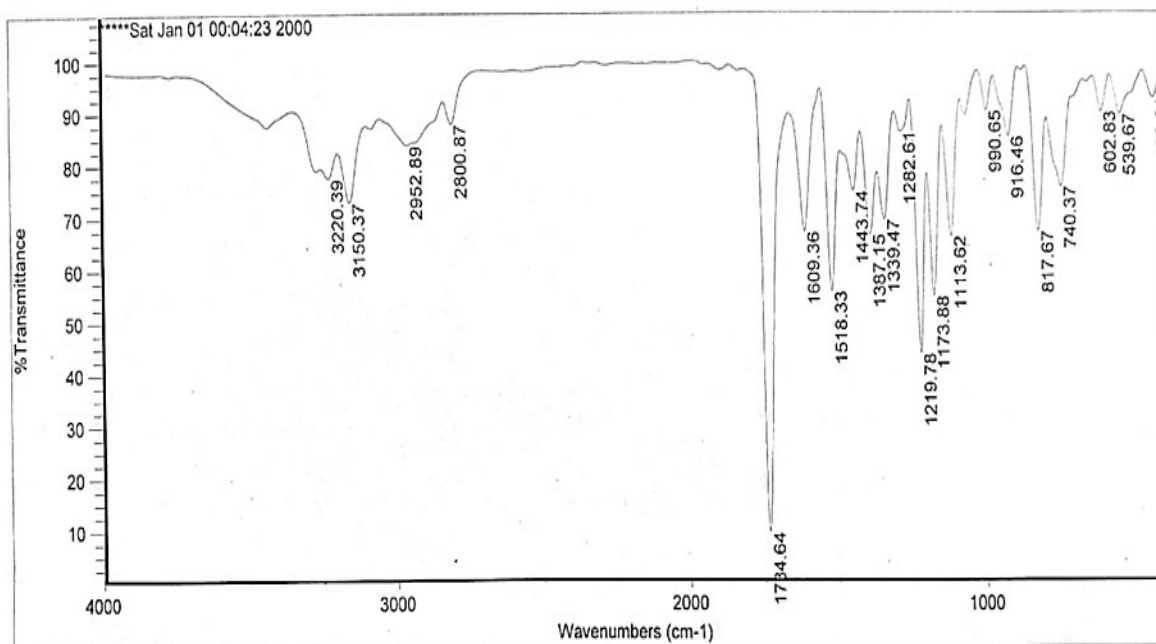


Figure 20: FT-IR spectrum of 1-(4-dimethylaminophenyl)-1,2-dihydronaphtho [1,2-e][1,3] oxazin-3-one (**4j**) in KBr.

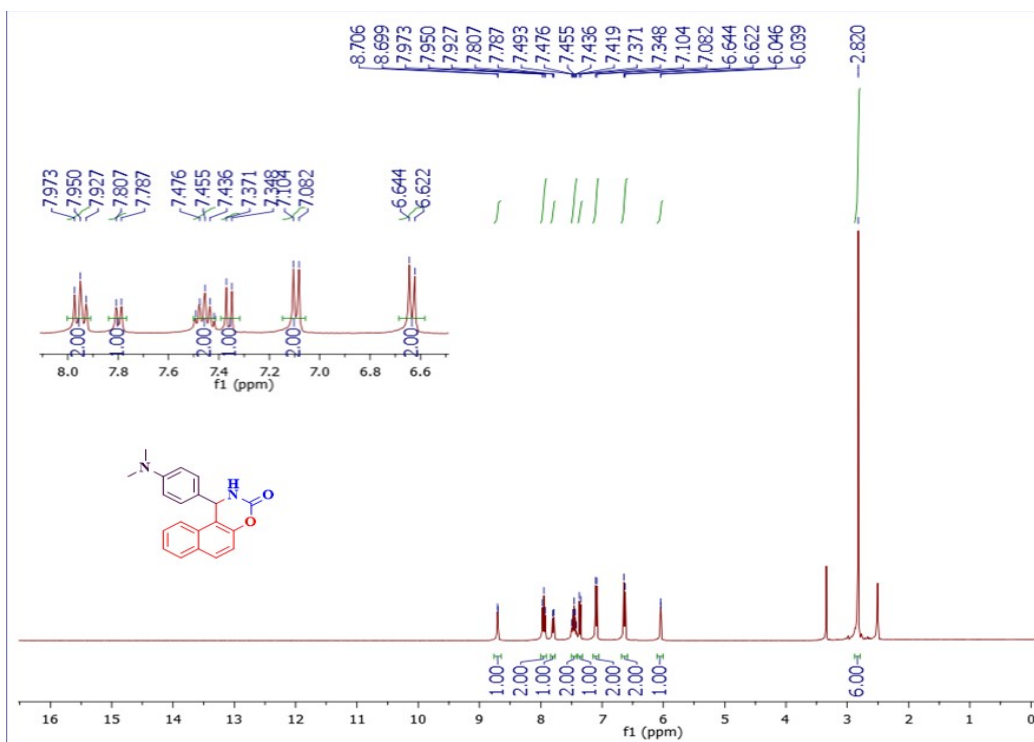


Figure 21: ¹H NMR spectrum (400 MHz) of 1-(4-dimethylaminophenyl)-1,2-dihydronaphtho[1,2-e][1,3]oxazin-3-one (4j) in DMSO.

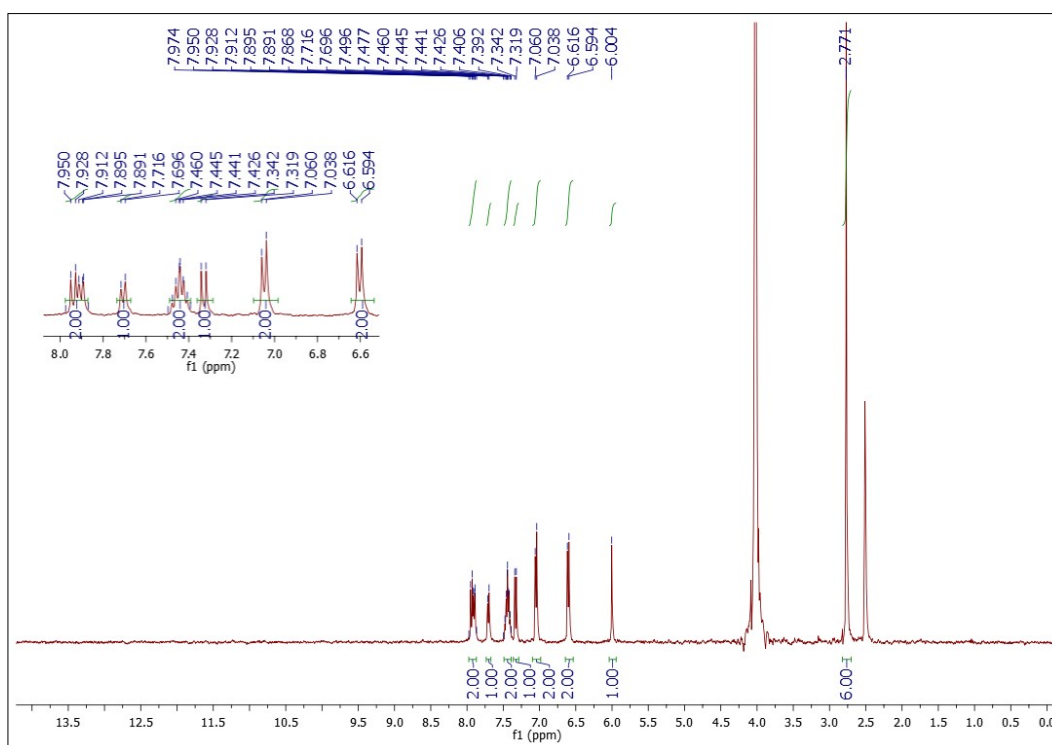


Figure 22: ¹H NMR spectrum (400 MHz) of 1-(4-dimethylaminophenyl)-1,2-dihydronaphtho[1,2-e][1,3]oxazin-3-one (4j) in D₂O.

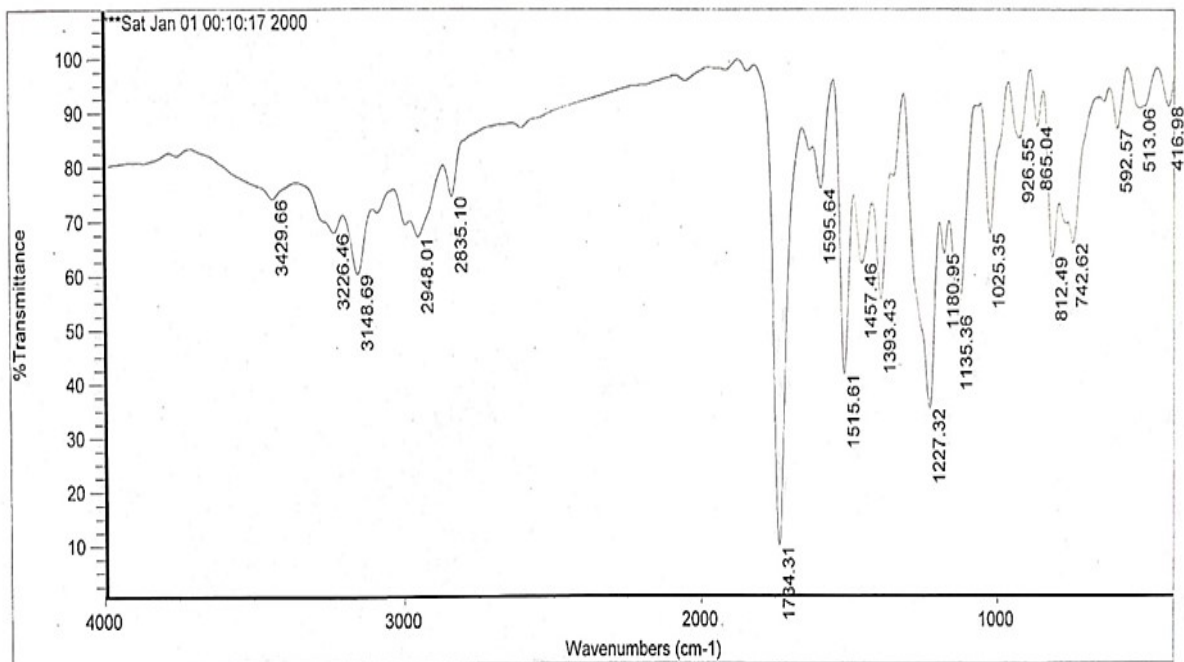


Figure 23: FT-IR spectrum of 1-(3,4-Dimethoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4k**) in KBr.

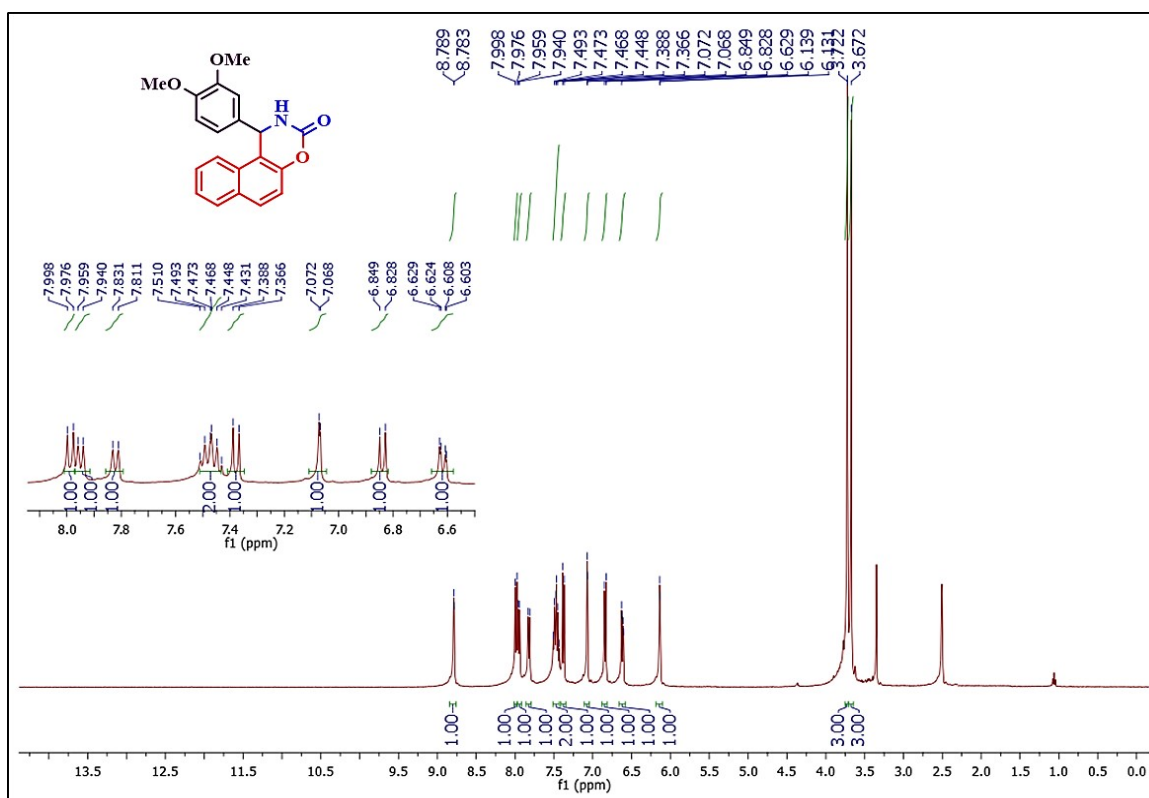


Figure 24: ¹H NMR spectrum (400 MHz) of 1-(3,4-Dimethoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3]oxazin-3-one (**4k**) in DMSO.

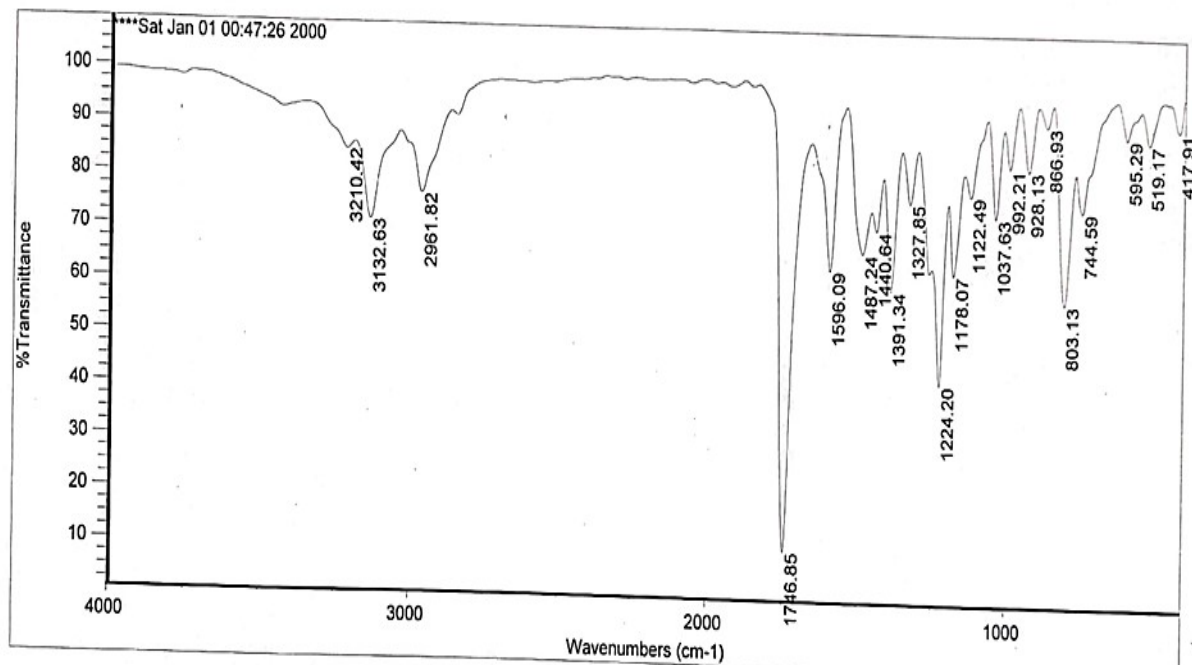


Figure 25: FT-IR spectrum of 1-(3-Methoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3] oxazin-3-one (**4I**) in KBr.

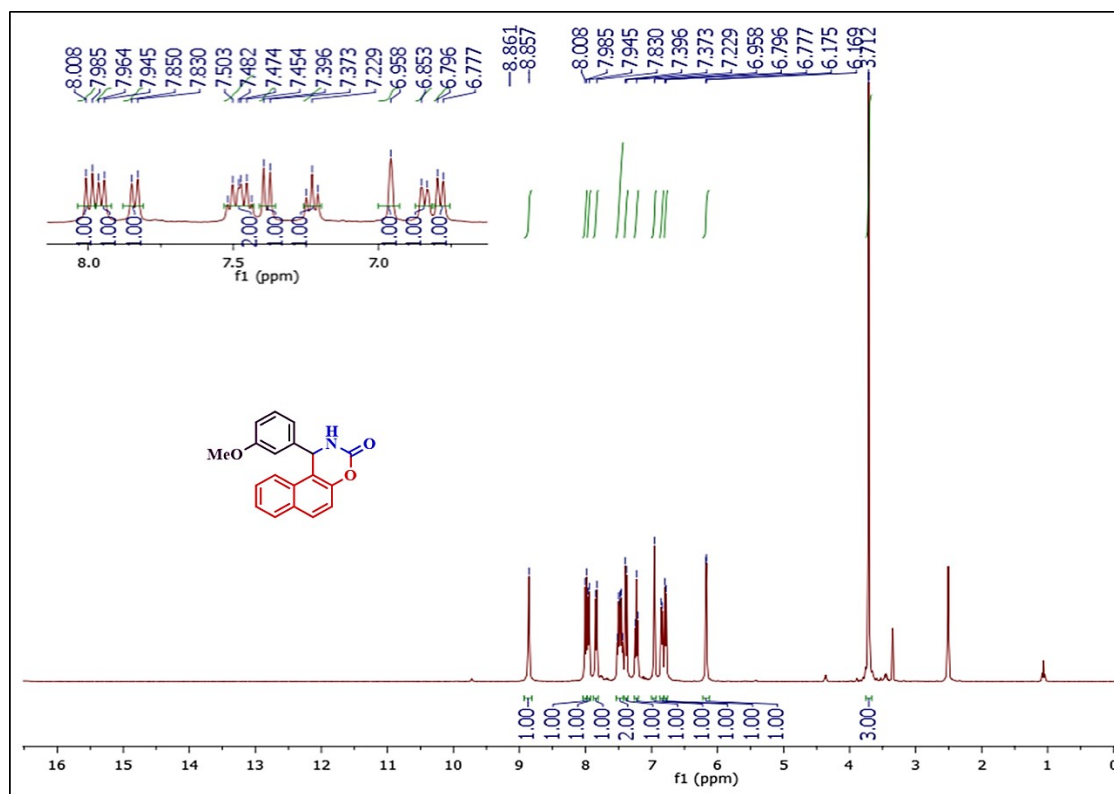


Figure 26: ^1H NMR spectrum (400 MHz) of 1-(3-Methoxyphenyl)-1,2-dihydro-naphtho[1,2-e][1,3] oxazin-3-one (**4I**) in DMSO.